BIOLOGY

1. Botany and Branches

1.	Scientist who is known as father	of Botany—	6. Study of flower is a	called—
		Darwin	(a) Anthology	(b) Agrosteology
	(c) Theophrastus (d)	Linneus [MTS 2014]	(c) Phenology	(d) Polynology
2.	Who is know as father of Biology	y?	7. Palaeobotany is the	e branch of botany is which we study
		Darwin	about—	
	(c) Lamark (d)	Purkenja	(a) Animal fosills	
3.	The term biology was first coined	l by—	(c) Seed of plant	(d) Flower
	(a) Aristotle (b) (c) Lamark	Darwin	 Mycology is the b about— 	ranch of botany in which we study
	(d) Lamark and Treviranus		(a) Algae	(b) Fungi
4.	Who is known as father of Zoolo	ov	(c) Bacteria	(d) Virus
		Lamark	9. Silviculture is the	branch of botany in which we study
		Theophrastus.	about-	
5.	Who is known as father of medic		(a) Culture of alga	(b) Development of forest
0.		Theophrastus	(c) Culture of fun	
	(c) Hippocrates (d)			are concerned with the production of
6			crops—	ne concerned what the production of
6.	The term biology is derived from (a) French (b)		(a) Agrotology	(b) Agronomy
		Latin	(c) Agrostology	(d) Anthropology
	(c) - manging		1. Agrostology is the	
7.	The book Historia Plantrum is w		(a) Seed of oil	(b) Crop
		Theophrastus	(a) Seed of on (c) Grass	(d) Fruits
		Darwin		
8.	Botany is also known as -	and a standard second	 Spermology is the (a) Seed 	(b) Leaf
		Phycology	(c) Fruit	(d) Pollen grain
		Plantophyta	and the second	
9.	Aristotle is not known as -	Tine E bits i (a)	3. In Pedology we stu	
		Father of Zoology	(a) Disease	(b) Pollution (d) Rockes
	(c) Founder of Embryology (d)	and the second	(c) Soil	
10.	The book Historia animalium is v	a la construction de la construc		nt on the various part of earth—
		Darwin	(a) Biogeography	
	(c) Lamark (d)	Theophrastus	(c) Phytogeograph	
11.	The science related with the stud		5. <u>Study of fruit is cal</u>	
		Chemistry	(a) Spermology	(b) Anthology
	(c) Biology (d)	Mathematics	(c) Pedology	(d) Pomology
12	Phycology is the branch of bota	ny in which we study	6. Study of pollen gra	
	about—			-(b) Polynology
		Fungi		(d) Mycology
	(c) Ecology (d)	Virus	7. Study of internal s	
13.	Oath taken by medical graduates	s is given by—	(a) Morphology	(b) Anatomy
	(a) Aristotle (b)	Theophrastus	(c) Ecology	(d) Taxonomy
	(c) Hippocrates (d)	Darwin		tructure and their form is called—
14	Branch of biology in which we st	udy about relationship	(a) Morphology	(b) Anatomy
	between living and their environ	ment.	(c) Ecotogy	(d) Phycology
		Genetics	9. Agro forestry is-	
	(c) Ecology (d)	Geology	(a) Growing tree f	
15	Branch of biology in which we s	tudy about cultivation	(b) Growing tree a	
	of flowering plant—			e with cultivation of
	Process of the second s	Floriculture	crop in the san	ne field
		Botany	(d) None of these	and a second provide the second

30. Branch of biology which de	als with the study of	(a) Histology	(b) Castalana
identification, nomenculture	and classification of	(a) firstology (e) Genetics	(b) Cytology (d) Evolution
organism is—			without soil in water containing
	Ecology	nutrient is-	
	Toxicology	(a) Hydrotonics	-(b) Hydrophonics
31. Estimation of age of woody pl	ant by counting annual	(c) Hypotonics	(d) None
	Dendrochronology	 Microscopic organism v of water is called— 	which passively float on the surfac
(c) Agronomy (d)	Demography	(a) Phytoplantons	(b) Zooplantones
32. Physical basis of life is-		(c) a & b both	(d) None of these
	Neucleoplasm	38. Study of effect of li	ght on various biological life
	Haloplasm	process-	Ber the charloud biological me
33. Study of process of ageing -		(a) Potobiology	(b) Photobiology
	Gerontology	(c) Photometry	(d) None of these
(c) Ontogeny (d)	None of these	39. In exo-biology we stud	
34. Cultivation of ornamental & shi	urbs plant	(a) External structure	
	Olariculture	(b) Life present on the	earth
(c) Arboriculture (d)	Silviculture	(c) Life present in the	other layer of earth atmosphere
35. Branch of biology which deals w	ith study of heredity and	(d) Life found in space	and on other setallite.
variation.			[SSC Grad 1979]

2. Classification of Plant Kingdom

 18. (b)
 19. (b)
 20. (b)
 21. (c)
 22. (a)
 23. (c)
 24. (c)

 31. (b)
 32. (c)
 33. (b)
 34. (c)
 35. (c)
 36. (b)
 37. (c)

1.	Who is known as father of	
	(a) Angler	(b) Aristotle
	-(c) Linnaeus	(d) Theopharastus
2.	Binomial nomenclature w	vas introdued by—
	(a) Carolus Linnaeus	(b) Huxley
	(c) Devies	(d) John Roy
3.	The famous book System	a Naturae is written by—
	(a) Darwin	(b) Lamark
	(c) Linnaeus	(d) Robert book
4.	Flowering plants are grou	iped under-
	(a) Cryptogames	(b) Phanerogames
	(c) Bryophytes	(d) Pteridophytes
5.	Nonflowering plants are	grouped in-
	(a) Cryptogames	(b) Phanerogames
	(c) Bryophytes	(d) Pteridophytes
6.	Basic unit of classification	
	(a) Genus	(b) Family
	(c) Species	(d) Order
7.	Hydrophytes are -	
	(a) Aquatic plant	(b) Plant disease
	(c) Rootless plant	(d) Organism found in sea
8.	Binomial nomenclature m	
	(a) One name given by t	
	(b) One name comprising	
	specific epithet	
	(c) Two names, one latin	ised, other of a person
	(d) Two name one scienti	ific other local.
9.	The non-green heterotro	phic plants of plant kingdom
	are:	
	-(a) algae (b) fungi	(c) mosses (d) ferns
	0 ,, 0	[SSC 2013]

14. (c) 15. (b) 16. (a) 17. (b)

29. (c) 30. (c)

27. (b) 28. (a)

7	(a)	nt which bear naked see		
		Angiosperm		Gymnosperm
		Pteridophyta		Bryophyta
		dern Classification is ba	used c)n—
		Fossils		Phylogeny
((c)	Morphology	(d)	Physiology
12.]	The	first step in taxonomy	is-	
((a)	Naming	(6)	Identification
((c)	Description	(d)	Classification
13.]	The	e term phylum was give	n by-	
		Cuvier		Theophrastus
((c)	Haeckle		Linnacus
14. 9	Spe	cies is a group of organi	isms	which—
		Interbreed freely		
(c)			None of these
		tural system of Classific		
		Ontogeny		Phylogeny
		Morphology	(-)	a ny roberty
		Phylogeny and Morphe	ology	in fortune with the
		mo sapien is the scientif		
		Honeybee(b) Monkey		
		e kingdom classification Linnacus		
		Ariostotle		George Bentham
2	0		10,800,800	Whittaker
18. 9	h	orophyll containing a	utotr	ophic thallophytes
C	all	ed as :	1000100	
-			(L) I	
(Fungi Algae		Bryophytes Lichens

24. (c) 25. (d) 26. (b)

(b) 39. (d)

38.

504	Objectiv	e General Knowledge
19.	The study of principles and procedures of classificatis-	tion substances in plants ? (a) Marchantia(b) Marsilea(c) Cycas (d) Fern
1	(a) Nomenclature (b) Taxonomy	[CDS Exam I 201
0.	(c) Classification (d) Indentification Five kingdom classification of whittaker is mainly b	22. Consider the following kinds of organisms— sed 1. Bacteria 2. Fungi 3. Flowering plants
	on— (a) Nucleus (b) Cell structure	Some species of which of the above kinds of organism
	(a) Nucleus (b) Censulture (c) Mode of nutrition (d) Complexity of org	are employed as biopesticides ? (a) 1 only (b) 2 and 3 only
1.	Which of the following does not possess a special conducting tissue for transport of water and o	zed (c) 1 and 3 only (d) 1, 2 and 3 (IAS 201
		Answers and the second se
	1. (c) 2. (b) 3. (c) 4. (b) 5. (a) 6. (c) 14. (a) 15. (d) 16. (c) 17. (d) 18. (c) 19. (b)	7. (a) 8. (b) 9. (a) 10. (b) 11. (b) 12. (b) 13. (a) 20. (c) 21. (a) 22. (d)
	=3. Mi	ro-organism
•	The confirmatory test for HIV virus causing AIDS i (a) CDR count (b) Western blot test	energy.
	(e) ELISA test (d) PCR [SSC Ste. 2 Microorganisms are seen only with—	 2. Viruses can be cultured in any synthetic medium. 3. Viruses are transmitted from one organism to anoth
	(a) Open eye (b) Naked eye	by biological vectors only.
-	(e) Microscope (d) None	Select the correct answer using the codes given below. (a) 1 only (b) 2 and 3 only
•	With reference to the food chains in ecosystems, w of the following kinds of organism is/are know	μ (c) 1 and 3 only (d) 1 2 and 3 μ (d) 1 2 and 3
	decomposer organism / organisms ?	15. Which one of the following fungi is commonly known 'bread mould'?
	1. Virus 2. Fungi 3. Bacteria	(a) Sunchritian (b) Phizonus
	Select the correct answer using the codes given bel- (a) 1 only (b) 2 and 3 only	(c) Aspergillus (d) Penicillium (MTS20)
	(a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3 <i>[IAS</i>]	(a) vitamin C (b) protein
0	Viruses are(h) Partial parasitas	(a) vitamin C (b) protein (c) vitamin B (d) invertase [SSCLDC 20.
	 (a) Complete saprophytes (b) Partial parasites (c) Partial saprophytes (d) Total parasite 	17. Which of the following is absent in bacteria—
	The discovery of viruses was made by— (a) Ivanowski(b) Beijerinck (c) Miller (d) Sta	17. Which of the following is absent in bacteria— (a) Cell wall (b) Plasma membrane (c) Mitochondria (d) Ribosome
	Genetic material of a virus is—	18. Type of DNA found in bacteria—
	(a) DNA (b) RNA	(a) Straight DNA (b) Helical DNA (c) Circular DNA (d) Membrane bound DN
	(c) Either DNA or RNA (d) Both DNA and RI	A 19. Father of microbiology—
•	Bacteria was discovered first by— (a) Leeuwenhook (b) Robert hook	(a) Leeuwenhoeck (b) Louis Pasteur
	(c) Louis pasture (d) Robert Koch	(c) Robert koch (d) Hensen
	Statment which is true about bacteria—	20. Louis Pasteur is famous for— (a) Protein synthesis (b) Invention of microscop
	(a) All bacteria are autotrophs(b) All bacteria are heterotrophs	(c) Germ theory of diseases (d) Fermentation
	(c) Most of them are heterotrophs but some are	21. Smallest organism which cause disease—
	autotrophs	(a) Bacteria (b) Virus (c) Mycoplasm (d) All
	(d) All bacteria are photosynthetic	22. Bacteria which convert atmospheric nitrogen in
	(a) They can not move (b) They have cell wa	nitrogenous compound are called—
	(c) They multiple by fission	 (a) Denitrifying bacteria (b) Nitrogen fixing bacteria (c) Nitrifying bacteria (d) Decomposing bacter
0	(d) They are found everywhere	23. Bacteria which is found in the intestine of human-
	(a) Fungi (b) Algae (c) Bacteria (d) Yea	(c) Dacinus anticiosis
11.	Generally bacteria are found in the form of— (a) Bacill (b) Cocci (c) Spirilla (d) Vib	(d) Corynebacterium diphtheriae
12	(a) Bacill (b) Cocci (c) Spirilla (d) Vit Smallest form <u>of bacter</u> ia is called—	24. Tuberculosis is caused by— (a) Virus (b) Bacteria (c) Protozoa (d) Fungi
-	(a) Vibrio (b) Cocci (c) Bacilli (d) Spi	illa 25. Name of bactria which cause tuberculosis—
13.	Bacteria which are round in shape are called—	(a) Mycobacterium tuberculosis
	(a) Vibrio (b) Bacillus (c) Coccus (d) Spi	
14.	. Which of the following statements is / are correct ?	(c) Bacillus coli (d) Escherichia coli

39. Refrigeration is a process in which

Biology 26. Bacteria which cause food poisoning-(a) Clostridium tetani (b) Salmonella typhosa (c) Bacillius anthrisis (d) Clostridium botulinum 27. Bacteria found in root nodules of-(a) Leguminous plant (b) Some of leguminous plant and some other plant (c) In all plant (d) None of these 28. Which of the following is a free living bacteria that help in nitrogen fixation-(a) Azotohacter (b) Anabaena (c) Azolla (d) Nostoc [CDS 2009] 29. Microorganism include-(a) Bacteria & Virus (b) Bacteria, Virus, Microalgae and Fungi (e) Bacteria, Virus, Microalgae, Fungi and Protozoa (d) All animals & Plants 30. Which one of the following type of microorganism is most widely used in industires ? (a) Bacteria (b) Bacteria and fungi (c) Bacteria and algae (d) Bacteria, microalgae and fungi [IAS 1998] 31. Which is the cause of anthrax disease ? (a) Virus (b) Bacteria -(c) Mycoplasm (d) Algae 32. Generally antibiotics are formed from-(a) Fungi (b) Virus (c) Bacteria (d) Angiosperm 33. A bacterial cell divides once every minute and take one hour to fill a cup. How much time will take it to fill half the cup ? (a) 30 minutes (b) 60 minutes (c) 29 minutes (d) 59 minutes 34. Bacteria cannot survive in a highly salted picked because-(a) Bacteria get plasmolysed and are consequently killed (b) Salt inhibits reproduction (c) The pickel does not Contain nutrient necessary for bacteria to survive (d) Bacteria do not get enough light for photosynthisis 35. Nitrogen fixing bacteria is useful in growing which crop-(a) Wheat (b) Paddy (c) Legume (d) Maiz [RRB Bangalore ASM/GG 2004] 36. Function of Leghaemoglobin in nitrogen fixation-(a) Absorption of oxygen (b) Nutrion of bacteria (c) Absorption of light (d) All [RRB Ahmadabad ASM/GG 2004] 37. Which one of the following disease caused by bacteria-(a) Tuberculosis (b) Mumps (c) Small pox (d) Rabies [RRB Mumbai/Bhopal GG 2003] 38. Which communicable disease is caused by bacteria-(a) Small Pox (b) Mumps (c) Leprosy (d) Asthma [RRB Calcutta/Bhuneshwar 2003]

in search	(a)	Bacteria are destroyed		Allowing the second
	(h)	Growth of bacteria rec	hand	
	(0)	Bastoria hassens in set	luceu	
		Bacteria become inacti		
	(d)	Cytoplasm of bacteria		
			14	RRB Chennai TC/CC 2002]
40.	Sou	uring of milk is due to-	-0	
	(a)	Protozoa	(b)	Bacteria
	(c)	Virus	(d)	Nematode
				[RRB Bhopal TC 2003]
41.	Bac	teria helpful in making	curd	from milk—
	(a)	Mycobacterium	(b)	Staphlio Coccus
		Lacto bacillus	(d)	Yeast [SSC Gard 2002]
42				in leguminuous plant—
Ades	Tal	Azohacter		
				Nitrobacter
		Rizobium	(a)	Psendomnas
43.	Televines.	us is said to be—		
		Living	(b)	Nonliving
	(e)	Transitional group be	tween	n living and nonliving
	(d)	Living that cannot be a	nultij	ply
44.	TM	V is related to—		
	(a)	Virus	(b)	Evolution
	(c)	Algae		Reproduction of
45		e disease hydrophobia i		
10.	(a)	Bacteria		
				Fungi
		Virus		Algae
46.		ich one of following co		
		Bacteria		Virus
	(c)	Lichen	(d)	Algae
47.	The	virus which attack the	bacte	erial cell are called—
	(a)	Tobaco mosic virus	(b)	Cynophage
	(e)	Bacteriophage	(b)	Mycophages
		nsider the following—		
	(1)	Nucleic acid (2) Carb	ohud	rata (2) Destain
	AV	irus is made up of which	b of t	the following :
	(a)	1 and 2 only		
-		1 and 3 only		1, 2 and 3 only
49.	Due	e to bite of mad dog	the c	disease hydrophobia is
-	ALC: NO. OF CONTRACTOR OF	sed by—		
	2. 4	Rabies virus	(b)	Adeno virus
	(c)	Polio virus	(d)	Influenza
50.	Viru	is which contain RNA	as ger	netic material—
		Reovirus		Reterovirus
		Ribo virus	(d)	
	of-	water of mory Ganges	iivei	is pure due to presence
		Cyananhaasa		TT 1 1 .
	1.4	Cyanophages		Hydrophytes
-		Bacteria		Bacteriophages
52.	The	fact that support the o	oncep	ot that viruses are living
	is th	nat they		
		Multiply themselves		
		Made up of common c	heme	mical
		Cause disease		
		Can pass through cell	nemb	orane
53.		t successful vaccine aga		
		all pox—	and v	unun unbeabe
	and the second second	Louis Pasteur	(1~)	Edward Issues
				Edward Jenner
	(0)	Ivanowski	(a)	W.M. Stanley

54. Consider the following statements with regard to	67. Infectious disease small pox is caused due to
chromosome of bacteria :	(a) Virus (b) Bacteria
J. Bacteria always have a single chromosome.	(c) Fungi (d) Algae
2. Bacterial chromosome is circular.	[RRB Kolkata/ Bhuneshwar TC 2003]
Which of the statements given above is / are correct ?	68. Which one of following disease is caused by virus ?
(a) 1 only (b) 2 only	(a) Small pox (b) Tuberculosis
	(c) Malaria (d) Cholera
(c) Both 1 and 2 (d) Neither 1 nor 2	[RRB Chennai TC 2005]
[SCRA 2013]	
55. Viruses are parasitic, having DNA/RNA but they can be	69. Foot and mouth disease in animal is caused by—
crystallized and lack respiration. Thus they are treated as	(a) Bacteria (b) Virus
(a) living materials (b) non-living materials	(c) Fungi (d) Algae [IAS (Pre) 2002]
(c) both living and non-living materials	70. Mosaic disease of tobaco is caused due to
(d) cellulose [SCRA-2014]	(a) Virus (b) Bacteria (c) Fungi (d) Algae
	71. Anthrax is caused by—
56. "Nonliving character of Virus ?	(a) Virus (b) Bacteria
(a) It can be crystalized for many year	
(b) It grow in living cell	(c) Mycoplasm (d) Algae [RRB Kolkata/Bhuneshwar TC 2003]
(c) It show mutation (d) None of these	
57. The disease AIDS is caused by—	72. Amoeba acquires its food through the proceed of :
(a) Bacteria (b) Fungi (c) Virus (d) Protozoan	(a) Endocytosis
[UPPCS (Pre) 1993]	(b) Plasmolysis
	(c) Exocytosis and endocytosis
58. HIV is related to-	(d) Exocytosis [SSC (LDC) 2013]
(a) Cancer (b) Plague	73. The bacteria which convert nitrites to nitrates is—
(c) Hepetities (d) AIDS. [UPPCS 1993]	(a) Nitrosococcus (b) Nitrosomonas
59. The casual organism of Polio is :	(c) Nitrobacter (d) Azotobacter
(a) A worm (b) A bacteria	
(c) A fungi (d) A virus	74. Archaebacteria are—
[A. C. I. O. G–II (Exe) 2013]	(a) Earliest known organisms
	(b) All halophytes (c) All chemotrophs
60. Which of the following symbiotic associations forms a	(d) All fossils ferms
lichen?	75. Bacteria do not possess—
(a) An algae and a fungus	(a) Plasma membrane (b) Cell wall
(b) An algae and a bryophyte	(c) Mitochondria (d) Ribosomes
(c) A bacterium and a fungus	76. During rainy season, the ground becomes slippery due
(d) A bacterium and a gymnosperm [SSC (LDC) 2013]	
61. HIV Virus destroy—	to dense growth of—
(a) RBC (b) T-4 Lymphocytes	(a) Green algae (b) Bacteria
(c) Neuron (d) None of these	(c) Cynobacteria (d) Lichen
	77. Bacteria which commonly lives in the intestine human-
62. Disease caused by HIV—	(a) Vibrio choleral (b) Bacillius anthracis
(a) Tuberculosis (b) Cancer	(c) Corynebacterium (d) Escherichia coli
(c) Acquired immun deficiency syndrome	78. Two bacteria found to be very useful in genetic
(d) None of these [14th BPSC (Pre) 1996]	engineering experiment as—
63. AIDS virus contain—	(a) Nitrosomonas and Klebsiella
(a) Single stranded RNA (b) Double stranded RNA	(b) Escherichia and Agrobacterium
(c) Single stranded DNA (d) Double stranded DNA	
[SSC Grade 2000]	(c) Nitrobacter and Azoobacter
64 The diseases ATDS spread	(d) Rhizobium and Diplococcus
64. The disease AIDS spread—	79. In bacteria plasmid is—
(a) By insects (b) By breathing	(a) Extra chromosomal material
(c) By sexual contact (d) None of these	(b) Main DNA
[RRB Banglore/ASM/GG 2003]	(c) Non functional DNA (d) Repetative gen
65. Viruses are made up of—	80. Cell wall of Algae is made up of—
(a) Protein & lipids	(a) Chitine (b) Subarine
(b) Nucleic acid & protein	
(c) Lipids & Carbohydrate	(c) Celullose (d) Cutine
(d) Carbohydrate & Nucleic acid [SSC Grade 2002]	81. Which one of symbiotic algae is found in secretory cell
	of hydra—
66. What is SARS	(a) Euchlorella (b) Nostac
(a) An organisation	(c) Ulothrix (d) Spirogyra
(b) A disease caused by virus	82. The confirmatory test for HIV virus causing AIDS is-
(c) A disease caused by bacteria	(a) CDR Count (b) Western blot test
(d) Carbohydrate& Nucleic acid	(d) PCR [SSC 2013]
[RRB Kolkata/Bhuneshwar TC 2003]	(c) Distort 1000 2010)

[RRB Kolkata/Bhuneshwar TC 2003]

Biology

		Bi
83.	Iodine is obtain from—	
	(a) Laminaria	(b) Polysiphonia
	(c) Porphyra	(d) Chlorella
84.	Kelps are—	
	(a) Fresh water algae	(b) Marine algae
	(c) Terrestrial	(d) Amphibious
85.	Sea known as sargasso is	due to-
	(a) Fungi	(b) Angiosperm
	(c) Algae	(d) Bryophyto
86.	Which of these algae is ve	ery rich in protein—
	(a) Oscillatoria	(b) Chlorella
	(c) Spirogyra	(d) Ulothrix
87.	Which of the following is	autotrophic?
	(a) Protozoa	(b) Algae
	(c) Fungi	(d) Virus
88.	Which of the following	is used as biofertilizer in the
	production of crop paddy	
	(a) Blue green algae	(b) Rizobium
	(c) Fungi	(d) Azobacter
	matabapel / bi _{res,u}	IAS (Pre) 2000
89.	Which of the following	unicellular algae are used as
	source of oxygen in space	
	(a) Ulothrix(c) Chlorella	(b) Spirogyra
-		(d) Odogonium
90.	Red colour of red sea is d	
	(a) Moss	(b) Algae
01	(c) Fungi	(d) Bacteria
91.	Free floating sea weed wh	
	hectares in the part of No	
	(a) Oscillatoria	(b) Ulva
	(c) Fucus	(et) Sargossum
92.	Agar-Agar is obtained fro	
	(a) Fungi	(b) Algae
~~	(c) Moss	(d) Bacteria
93.	Consider the following or	
		llus (3) Ulothrox (4) Ulva
	Which of these are algae ?	
	(a) 1 and 2	(b) 1 and 3
	(c) 2 and 4	(d) 3 and 4
94.	Branch of botany in which	n we studied about fungi—
	(a) Phycology	(b) Mycology
	(c) Microbiology	(d) Ambiobiology
95.	Cell wall of fungi is made	up of—
	(a) Lipids	(b) Cellulose
	(c) Protein	
	(d) Chitin & Hemicellulo	
96.	The food material in fung	
	(a) Starch	(b) Glycogen
	(c) Glucose	(d) Sucrose
97.	All fungi are always—	
	(a) Parasite	(b) Autotrophic
	(e) Heterotrophic	(d) Saprohytic
98.	Symbiotic association of n	nycorrhiza is between—
	(a) Algae & Bryophytes	
	(b) Fungi and root of high	
	(c) Algae & root of Gymr	nosperm

(d) Algae & Fungi.

iol	ogy			507
	99. Fu	ngi grown on the bark	of tree	in a superior test and the
	(a)	Saxcoles		Corticoles
	(c)	Tericoles	(d)	Coprophillus
	100.Fu	ngi which grow on cow	dung	are called -
	(a)	Saxcoles	(b)	Corticoles
	.(e)	Coprophilous	(d)	Zoophilous
	101. WI	nich of the following do		
	(a)	Algae		Bryophytes
		Pteridophytes		Fungi
	102. Th	e disease late blight of 1	potato	is caused by—
	(a)	Fusarium oxysporum		in contrain 19 11 11
		Alternaria solani		
		Albuigo candiada		
		Phytophthora infestar		
		ngi used in baking indu		at non-later R ton
2		Saccharomyces cerevi Schizosacchromyces	siai	
		Saccharomyces ellipsa	idens	
		Rihzopus stolonifer	accuo	
		nicillum is a—		
1	and the second se	Virus (b) Algae	607	Fungi (d) Bacteria
;	(The second sec	ly blight of potato is ca		
	(a)	Phytopthora infestans		<u>y</u>
	(b)	Alternari solani	dume	
		Albugo candida		ATTA La A Station
		Sclerospora graminico	ola	
		e antibiotic penicillin w		t discovered by-
	(a)	Louis Pasteur		Robert Koch
	_(c)	Alexzander Fleming		S.Waksman
	107, Erg	otism is caused due to-	_	
		Rhizobium	(6)	Claviceps
	(c)	Phytomonas	(d)	Albugo
	108. Qn	industrial pencillin is o	btain .	from— the state of the
		Penicillum notatum	and the second	The state of the
		Penicillum chrysogen		
	(c)	Penicillum griscofulur	n	
		Penicillum roqueforti		And the second
			ledinl	cneaded flour it become
		t and spongy due to-		
		Yeast produce benzoic Production of CO, ma		broad cooper
		Yeast makes the flour		e breau spongy
		Yeast produce acetic a		d alcohol which
	(~)	makes the bread soft	cru un	a accortor writer
	110. Vec	etative reproduction in	veast	is hv_
		Budding		Acinate
		Aplonospores	2012	Ascospores
		ich of the following is e		
		Mucor		Penicillum
		Agaricus		Rizopus
) is obtained from—		
		Bacteria	(b)	Fungi
		2, 4-D	(d)	Alcohol
	113. An	tibiotic which was disco		
		Teramycin		Neomycin
		Pencillin		Streptomycin
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

114. Yeast is an important source of

 (a) Vitamin-C
 (b) V

 (c) Vitamin-A
 (d) V

- (d) Vitamin-D

508			Objective Gene	eral Knov
115. Str	eptomycin is first obtain	ed by		131.N
			Workholder	fe
	A.Fleming		Waksman	(2
	ka disease occur in—	Mar.1		í
State of Sta		(b)	Sugar Cane	132.V
	Paddy	10072	0	132. v
	Ground nut		Potato	parties .
and interest	d rot of sugar cane occur		and the second se	(č
(a)	Bacteria		Virus	((
(c)	Fungi	(d)	Nematode	133. L
118. Sta	reptomycin is obtained fi	rom -		(6
(a)	Virus	(b)	Bacteria	(4
(c)	Algae	(d)	Fungi	134.B
119 Ye	ast is used in bakery in t	he pr	eparation of bread	(:
	And an	- P	I contraction of the second	4
	cause			135. A
) It make on bread hard		to present the state	(
) It make bread soft and			(
	It increase the food val			136.S
) It keep the bread fresh		[RRB Ranchi/GG 2004]	130.5
	ne disease Athelet foot is			F.
) Bacteria		Fungi	(
(c)) Protozoa	(d)	Nematod	137.V
			[IAS (Pre) 2001]	A
121.W	hich of the following fung	gimak	esymbiotic relationship	de
wi	ith the root of higher pla		Alteria and Alteria and	138.L
(a)) Lichen	(b)	Mycorrhizae	(
(c)) Coralloid root	(d)	Bio firtilizer	(
122. A	flatoxion is a—			139.V
	Poision produced by f	ungi		S
) Antibiotic	U		(
	Poision in snake			i
) Poision produced by s	nake		140.L
	ingi used in the preparat		f bread_	140.1
) Acetobacter	(b)	Penicillum	2
) Saccharomyces	(d)	Asporailus	X
			Aspergnus	141.V
	chens are constituted by		11 12 12	4
) Fern and fungi		Algae and Bryophyta	(
(c) Bacteria and Virus		Fungi and Algae	
		RRB A	hm'edabad ASM/GG 2004]	142.5
	chens are indicator of—			£
) Air pollution		Water pollution	(
(c) Soil pollution	(d)	Radiation pollution	143.0
126.Li	tmus paper used in labo	ratary	obtained from—	7
) Green algae		Blue-green algae	ć
) Lichen		Fungi	144.5
	lichen symbiotic relatior			111.0
	called—	winb	occurrently and again	
) Halotism	(b)	Parasitism	
1000) Saprophytism		None of these	145.]
				2
	chen which grow on the			9
) Soxocoles		Corticoles	(
) Parmelia	101635	Ascocoles	146.
	chen which grow on sto			(
) Saxocoles	0.00000	Corticoles	(
(c) Sexotelus	(d)	Ascocoles	147.0
130.In	Japan which of the liche	en is ı	ised as vegetable—	Č
) Parmelia		Lecanora	(
		Ve we		

(d) Cladonia

(c) Umbilicaria

- Medicine for epilepsy is obtain from which of the following lichen a) Lobaria (b) Roccella c) Parmelia (d) Evemia Which one of the following is amphibious in plant kingdom-(a) Gymnosperm (b) Angiosperm (c) Pteridophytes (d) Bryophytes In which of the following Rhizoides are present? a) Angiosperm (b) Gymnosperm (c) Bryophytes (d) Pteridophytes Bryophytes includesa) Liverwart & Fern (b) Moss & Fern (d) None of these (c) Liverwart & Moss Azola is aa) Bryophytes (b) Algae (d) Water ferm (c) Fungi Spores of which of the following is used as medicen— (b) Sellagenalla (a) Lycopodium (d) Equistem (c) Cytolum Which of the following is used as bio-fertilizer— (a) Colastridum (b) Urea (c) Azola (d) Baggase argest number of chromosome is found in-(b) Pteridophytes (a) Man (c) Elephant (d) Angeiosperm Which of the following group of plant produce naked seed-(a) Bryophytes (b) Pteridophytes (c) Angiosperm (d) Gymnosperm Longest plant of the world are related with the group— (a) Pteridophytes (b) Dicotyledones (e) Gymnosperm (d) Angeiosperm Which one of the following is a living fossils of plant-(b) Pinus (a) Ginkgo (c) Mirabilius (d) Dalbergia [RRB Bhopal TC 2009] Coralloids are found in-(a) Cycus (b) Lycopodium (c) Selaginella (d) Cocus Chilgoza is obtained from-(b) Pinus (a) Cycus (c) Cedrus (d) Zoniperus Sago is obtained from-(a) Cycus (b) Pinus (c) Cedrus (d) Zoniperus The medicine ephedrin used in the treatment of cough, asthma and bronchitis is obtained from-(b) Ephedra (a) Cycus (c) Pinus (d) Zooniperus
 - 146. The plant Ephedra is gouped under—

 (a) Angiosperm
 (b) Pteridophytes
 - (c) Bryophytes (d) Gymnosperm

47.Growth of virus occur in—

- (a) Dead body (b) Living cell
- (c) Water
- (d) In the solution of sugar

[RRB Allahabad ESM 2009]

140 Minune marine and fam			.1			
148. Microogranism are fou (a) Salted water		156. Which of	the following			
(c) Marshy soil	(b) Sandy soil		e (b) Min		Peepal (
Jup Marshy son	(d) All above [RRB Allahabad ESM 2009]	157. Which of				let—
140 Alaca are immediant fo	-	(a) Whe			Rice	
149. Algae are important fo		(c) Sorgl			Maiz	[CDS 2009]
(b) It purifies atmosph	mportant diet in future for human	158. Microbia	l fuel cells are c	onsidered	asourceofs	ubstainable
(c) It can be grown in		energy. W				
(d) None of these	water talk	1. They	use living or	ganisms a	as catalysts	to generate
	CLOYEL AND EXCENSES (ALL "		ricity from cer			
150. The mode of nutrition		2. They	useavarietyo	finorganic	ematerialsa	ssusbtrates.
(a) Heterotrophic (c) Saprotrophic	(b) Chemotrophic		can be installe			
	(d) Photo autotrophic		anse water ar			
151. The bryophytes lack tr		Which sta	atements give			
(a) Root	(b) Stem	(a) 1 onl			2 and 3 onl	
(c) Leaves	(d) All of these	(c) I and	l 3 only	(d)	1, 2 and 3 c	Contraction of the second s
152. The term bryophytes w	vas coined by –		NO CONSTRUCT		minipoo	[CSAT 2011]
(a) Kashyap	(b) Butler	159. Dog bite	can cause rab	nes. Which	h among th	e following
(e) Braun	(d) Linnaeus		mals can also	And and a second s	and the second se	
153. "The walking fern" is se	named because—	(a) Donk		-(b)		16 60
(a) Its spores are able t		(c) Hors			Crocodile	[CDS 2011]
(b) It is dispersed thro	ugh the agency of	160. Pencillin		100000	aconsta	
walking animal	The second s	(a) Fung			Algae	
(c) It propagates veget		(c) Virus			Bacteria	[SSC 2011]
(d) It knows how to w	-	161. Which m	icroorganism			
154. Insectivorus plants gro	w where—	(a) Virus			Protozoa	
(a) Soil is deficient in r	utrogen	(c) Bacte			None	[JPSC 2011]
(b) Soil is deficient in o		162. Which of		is not a k	harif crop ?	and a second
(c) Vitamin C is requir		(a) Cotto		(b)	Groundnut	
(d) Hormones are requ		(c) Maiz	e	(d)	Mustard	[JPSC 2011]
155. Consider the following		163. Bat can fl	y in dark beca	use they-	t family m	
1. The common blue g	reen algae spirogyra and ulothrix		strong wings		have sharp	eyes
are found in both f.	resh water ponds and oceans	(c) produ	ace ultrasonic	waves	1000	
2. The chameleon can	look ahead with one eye and at	(d) are na	atural		to option first	[JPSC 2011]
	behind with another-	164. Which of	the followin	g animals	breathes t	hrough the
Which of these stateme		skin?	nageont. The	1442	CONTRACTORY	
(a) Only 1	(b) Only 2	(a) Fish		(b)	Pigion	
(c) Both 1 and 2	(d) Neither 1 nor 2	(c) Frog				[JPSC 2011]
	[IAS (Pre) 2003]					

Answers ALC: NO. 1. (c) 2. (c) 3. (b) 4. (d) 5. (a) 6. (c) 7. (a) 8. (c) 9. (b) 10. (c) 11. (a) 12. (b) 13. (c) 14. (c) 15. (b) 17. (c) 18. (c) 19. (b) 16. (c) 20. (c) 21. (c) 22. (b) 25. 23. (a) 24. (b) (a) 26. (d) 27. (b) 29. (c) 30. (d) 28. (a) 31. (b) 32. (c) 33. (d) 34. (a) 35. (c) 37. (a) 39. (c) 36. (a) 38. (c) 40. (b) 41. (c) 42. (c) 43. (c) 44. (a) 45. (c) 46. (b) 47. (c) 48. (c) 49. (a) 50. (d) 51. (d) 52. (a) 53. (b) 54. (c) 55. (c) 56. (a) 57. (c) 58. (d) 59. (d) 60. (a) 61. (b) 62. (c) 63. (a) 65. (b) 64. (c) 66. (b) 67. (a) 68. (a) 69. (b) 70. (a) 72. (a) 75. (c) 71. (b) 73. (c) 74. (a) 76. (c) 77. 78. (d) (b) 79. (a) 80. (c) 83. (a) 81. (a) 82. (d) 84. (b) 85. (c) 86. (b) 87. (b) 88. (a) 89. (c) 90. (b) 91. (d) 92. (b) 93. (d) 94. (b) 95. (d) 96. (b) 97. (c) 98. (b) 99. (b) 100, (c) 101. (d) 102. (d) 103. (a) 104. (c) 105. (b) 106. (c) 107. (b) 108. (b) 109. (b) 110. (a) 111. (c) 112. (b) 113. (c) 114. (b) 115. (d) 116. (c) 117. 118. (b) 119. (b) 124. (d) 125. (a) 126. (c) 120. (b) 121. (b) 122. (a) 123. (c) 127. (a) 128. (b) 129. (a) 130. (c) 135. (d) 136. (a) 137. (c) 138. (b) 139. (d) 140. (c) 141. (a) 131. (c) 132. (d) 133. (c) 134. (c) 142. (a) 143. (b) 148. (d) 149. (a) 150. (d) 151. (d) 152. (c) 153. (c) 154. (a) 155. 144. (a) 145. (b) 146. (d) 147. (b) (d) 156. (d) 157. (c) 158. (b) 159. (b) 160. (a) 161. (a) 162. (c) 163. (c) 164. (c)

A. Taxonomy of Angiosperm

1. Which one of following	is known as father of	2. Species plantarum	and systema natural was writte	n
	(b) Linneus (d) Angalar	(a) Angular (e) Linneus	(b) Hooker (d) Walace	

Objective General Knowledge

3.	Pota	ato is related with fan	nily.—	
		Crucciferi		Solanacea
	(c)	Graminee	(d)	Composite
4.	Basi	c unit of classificatio	n is	
	(a)	Species	(b)	Order
		Family	(d)	Group
5.		ton is related with the		
J. ,		Cruciferi		Composite
		Malvacae	526724540	Rannculacae
6.	1.000	ijal plant belong to fa	milv_	
0.	and the second sec	Cruciferi		Solanaceae
		Malvacae	100 - 10 - 10 - 10 - 10 - 10 - 10 - 10	Rannculacae
7.		ric name of cotton pl		
1.		Crotolaria		Raphanes
	1 St. 15	Nicotiana		Gossypium
8.		anical name of mang		
0.		Mussa sapiantum		Doccus corrota
		Mangifer indica		None of these
0		in providing plant is		
9.		Malvacae	(h)	Graminae
		Liliaceae		Cruciferi
	1 A.			
10.		anical name of wheat		
		Zea maiz		Oryza sativa
	10 C	Titicum aestivum		Hordium bulgaer
11.		uminous plant is rela		
		Composite	10:572	Solanaceae
		Legumenace	(d)	Cruciferae
12.		gest family is—		
		Composite		Solanacea
	(c)	Liliacae	(d)	Cruciferae
13.	Bot	anical name of grour		
		Glycine max		Pisum salivum
		Arachia hypogea		Indigofera tinctoria
14.	Bot	anical name of grass	is—	
	(a)	Oryza saliva		Triticum aestium
	(c)	Cynodon dectylon	(d)	Saccharum officinarum
15.	Bot	anical name of tea pl	ant—	
	(a)	Saynesis thia	(b)	Thia soynesis
		Coffia arabica		Lathyrus odoratus
16.	Cro	p which provide oil	comes u	nder family—
		Malvacae		Cruciferae
	-	Solanaceae		Compositae
17		nt of Pea is a—		
		Herb	(b)	Shrub
	1000	Tree		None of these
10		lest tree is	()	
		Deodar	Got	Eucalyptus
		Sequoa		None of these
	(1)	bequot	(04)	[39th BPSC Pre 1996]
10	Lo	ngest living tree is		
19		ngest living tree is— Deodar	45)	Eucalyptus
		Sequoa		Bamboo
	(c)	Dequod	(u)	[40th BPSC Pre 1995]
20	Bel	ladona medicine is o	btained	by which part of Atropa
		ladona—		
	Mintel Martine	From leaf	(b)	From root
		From stem		From all part of plant
	(-)		(51)	I I I I I I I I I I I I I I I I I I I

is obtained—		t the medicine ephedrix
(a) Root	-(b)	Stem
(c) Leaf	(d)	Flower
2. Fiber of cotton is obtain from	n—	
(a) Stem	(b)	Seed
(e) Fruit	(d)	Root
3. Morphin is obtained from-	. G. 1	
(a) Papaver sominiferum	(b)	Iberis amara
		Brassica otearacea
4. Keser is obtain from—		
(a) Stamen of hibuscuss	(b)	Root of indigofera
(c) Style and stigma of croc (d) Petal of mussa	cus	
5. Clove is a—		
(a) Fruit	(6)	Dry flower bud
(c) Vegetative bud		Seed
		[SSC Grad 2000, 03]
6. Which part of cauli flower is	s edi	ble ?
		Infloresence
(c) Root	(d)	Bud
7. Coffee is obtain fom which	part	of plant ?
		Seed
(c) Leaf	(d)	Fruit
28. Chekori powder is obtain fr	om	which part of plant—
(a) Root		Seed
(c) Leaf	(d)	Fruit
29. From which part of plant tu	irma	ric is obtain—
(a) Dry root		Dry seed -
(c) Dry rhizome		Dry fruit
30. Quinine is obtained from—		
(a) Pappaver	(b)	Canabies
(e) Cinchona	32 . 26	Aconitum
		[RRB Allahabad 2009]
31. Good source of vitamin 'C'	is—	
(a) Lemon		Orange
(e) Aabla		Chilli
32. In the leaf of tobacco which	of t	he following is found—
(a) Capsicin		Cholcechen
(e) Nicoten		Asperin
33. Medicine for high blood pro		
(a) Digitalies species		Syncona species
(c) Rauwolffia species		Pappaver species
34. Main cereal crop of India is		11 1
		Soyabean
	(D)	
(a) Rice		Contraction of the second s
(a) Rice (c) Millets		Maiz
(a) Rice (c) Millets 35. Pulses are good source of—	(d) -	Maiz
(a) Rice (c) Millets 35. Pulses are good source of (a) Protein	(d) - (b)	Maiz Carbodydrate
(a) Rice (c) Millets 35. Pulses are good source of (a) Protein (c) Fat	(d) - (b) (d)	Maiz Carbodydrate Cellulose
 (a) Rice (c) Millets 35. Pulses are good source of (a) Protein (c) Fat 36. Which one of following is good source (b) and (c) and	(d) - (b) (d) 300d	Maiz Carbodydrate Cellulose source of protein ?
 (a) Rice (c) Millets 35. Pulses are good source of (a) Protein (c) Fat 36. Which one of following is generative (a) Gram 	(d) - (b) (d) 500d (b)	Maiz Carbodydrate Cellulose source of protein ? Pea
 (a) Rice (c) Millets 35. Pulses are good source of (a) Protein (c) Fat 36. Which one of following is good source (b) and (c) and	(d) - (b) (d) 500d (b)	Maiz Carbodydrate Cellulose source of protein ? Pea Pegion pea
 (a) Rice (c) Millets 35. Pulses are good source of— (a) Protein (c) Fat 36. Which one of following is g (a) Gram (c) Soyabean 	(d) (b) (d) (d) (b) (d)	Maiz Carbodydrate Cellulose source of protein ? Pea Pegion pea [40th BPSC (Pre) 1995
 (a) Rice (c) Millets 35. Pulses are good source of (a) Protein (c) Fat 36. Which one of following is generation (c) Soyabean 37. Which one of the following 	(d) (b) (d) (d) (b) (d) (sis n	Maiz Carbodydrate Cellulose source of protein ? Pea Pegion pea [40th BPSC (Pre) 1995 ot obtain from stem—
 (a) Rice (c) Millets 35. Pulses are good source of— (a) Protein (c) Fat 36. Which one of following is g (a) Gram (c) Soyabean 	(d) (b) (d) (d) (b) (d) (is n (b)	Maiz Carbodydrate Cellulose source of protein ? Pea Pegion pea [40th BPSC (Pre) 1995

5

- - - -

A

- 38. Bark of cinchona is used a medicine in the tretment of malaria. Which one of the following artifical medicine is substitue of cinchona-(a) Chloromycetin (b) Chloroquinine (c) Tetracyclene (d) Ampicillin
- [UPPSC (Pre) 2000] 39. Which of the following crop enrich the soil with
- nitrogen-(a) Potato (b) Sorgum (c) Sunflower (d) Pea [IAS (Pre) 1994] 40. From which part of plant yields opium ? (a) Leaves (b) Fruit
 - (c) Flower (d) Root
- 41. Rubber is commonly got from-
 - (a) Castilla elastica (b) Michelia champaca
 - (c) Ficus elastica (d) Hevea brasiliensis
- 42. Branch of botany connected with the study of food fibre and wood yielding plant is-
 - (a) Ethnobotany (b) Paleobotany
 - (c) Economic botany (d) Ethology
- 43. Dalchini is obtained from which part of plant-
 - (a) Leaves (b) Stem
 - (c) Root
- [RRB Ahmadabad ASM/GG 2004]

(d) Bark

- 44. Pulses are rich in protein because of-
 - (a) Insectivorous habit
 - (b) Requiring high dose of nitrogen fertilizer
 - (c) Rhizobium
 - (d) Green manuring
- 45. The stimulant present in Tea is-
 - (a) Tannin (b) Nicotine (c) Coffeine (d) Codeine
- 46. India produces the maximum amount of-(a) Potato (b) Sweet potato (e) Tea (d) Corn
- 47. Major foreign exchange earner for India is-
 - (a) Tea (b) Coffee
 - (d) Wheat (c) Rice
- 48. One of the reasons of the muscular distrophy among the poor in India is the eating of—
 - (a) Cicer arietinum (b) Lathyrus sativus
 - (c) Pisum astivum (d) Phosealus mungo
- 49. Opium is obtained from poppy in the form of-(a) Gum (b) Resin
 - (e) Latex (d) Tannin
- 50. Hing got from Ferula as afoetida is-
 - (a) Resinous exudate of root
 - (b) Fruit
 - (c) Inflorescence
 - (d) Leaves
- 51. Nepanagar is known for-
 - (a) Forest
 - (b) Newspaper manufacture
 - (c) Mines
 - (d) Sport goods
- 52. An important product obtained from styles and stigma is-

 - (a) Saffron (c) Fennel
- (b) Asafoetida (d) Turmeric

- 53. Bamboo is classified as-(b) Grass
 - (d) Herb
 - [RRB Kalkata, 2009]
- 54. A medicine for bronchitis is got from— (a) Rauwalfia serpentina (b) Curcuma longa (c) Adhatoda Vasica (d) Hemidesmus indicus
- 55. Chilgoza is got from-

(a) Tree

(c) Shrub

- (a) Pinus (b) Cycus (c) Brassica
 - (d) None[UPPCS (Pre) 2009]
- 56. Nitrogen fixing bacteria found in the root nodules of leguminous plant is-(b) Parasitic
 - (a) Saprophytic
 - (c) Symbiotic
- (d) Autotrophic [UPPCS (Pre) 2008]
- 57. Pyrethrine used in mosquito coil is obtained from-(a) Fungi
 - (b) Monocotyledonous plant
 - (c) From an insect (d) From bacteria
- 58. Litmus is obtained from-
 - (a) Bacteria (b) Fungi (c) Algae
 - (d) Lichen
 - [SSC Assistance Grade (TAE) 2008]
- 59. Azola anabana is used as fertilizer in growing the crop-(a) Wheat (b) Rice
 - (d) Cotton
 - [RAS/RTS (Pre) 2008]
- 60. Spice saffron is obtained from which part of plant-
 - (b) Petal
 - (c) Sepal (d) Stigma [IAS (Pre) 2009]
- 61. Consider the following-

(c) Mustard

(a) Leaf

- 1. Camphor (2) Chicory 3. Vanilla
- Which of the above is/are plant product
- (a) 1 & 2 (b) 3 only (c) 1 & 3
 - (d) 1, 2 and 3
 - [IAS (Pre) 2009]
- 62. Plant yielding medicine for checking eye is-(a) Rauwolfia serpentina
 - (b) Atropa beladona

(d) Ephedra gerardiana

- (c) Cinchona officinale
- 63. Turpentine is got from-
 - (a) Angiosperm wod (b) Angiosperm fruit
 - (c) Gymnosperm wood (d) Pine cones
- 64. Wood used in making cricking cricket bats is got from-(a) Tectona grandis (b) Salix alba/S Purpurea
 - (c) Morus alba/M. nigra (d) Cedrus deodara
- 65. Major 'Basmati Rice is produce in state-
 - (a) Kerala (b) Andhra Pradesh
 - (c) Karnataka

(c) Pisum sativum

- (d) Uttar Pradesh
- 66. Botanical name of Soyabean is-
 - (b) Glycine max (a) Lathyrus odratus
 - (d) Brassica nigra
- 67. Canola refers to special type of oil seed mustard varieties bred for human consumption. The main characteristics of these varieties is that the-
 - (a) Seed have very high oil content
 - (b) Oil is rich in unsaturated fatty acids
 - (c) Oil has long & shelf life
 - (d) Oil has very low crucic acid content [IAS Pre 2000]

68	In a bisexual flower if and rocium and g	ynoeciun	n mati	ure									Jacara			
	at different time the phenomenon is k										Junipe			C 2011]		
	(a) Dichogamy (b) Herp (c) Haterogamy monogamy	002]	73. A	'flov	ver b	oud' y	vhicł	n is u	ises a	as a i	spice i	is obt	ainec	from		
69	The leaves used as wrappers for bides	and the second second		$) C_1$		non					Carda		Inc			
	which one of the following ?	are offan	ieu in	om	74. II	<			rioldi					naer	155	C 2011]
	(a) Shikakai (b) Rudi	aksha			12. 11	-201	otton	u <u>gn y</u>	dela	ing v	arier		Rice			
	(e) Tendu (d) Lemo) W						1880 S		cane	ISS	2 2011]
70.	Whichamongthefollowingmonocultu	recropspi	ovide	e(s)	75. G	over.	nme	nt of	India	a end						of 'sea
	immediate cash to farmers ? 1. Tea in Assam 2. Rubb	on in A fui			b	ackth	norn'	. Wh	at is	the i	mpo	rtan	ce of t	this p	lant	,
10	3. Sugarcane in Malaysia A. Coffe				1.					olling	g soil	ero	sion a	nd in	prev	enting
	Select the correct answer using the coo				0			ficati		-						
	(a) 1 only (b) 2 and	13						ich s						1		1
	(c) 3 and 4 (d) 1 and		DSI 20	011]	5.	co	ld ar	eas o	fhio	halt	itude	a 15	wen-a	idapt	ea to	live in
71.	Which plant is called Herbal-Indian D				4.								rial va	lue.		
	(a) Neem(b) Amla(c) Mango(d) Tulsi		SC 20	1771	И	hich	of tl	he sta	temo	ents g	giver	n ab	ove is	/are	corre	ct?
72	Biofuel is obtained from the seed of—	line in Le	OC 20	uij) 10					(b) 2	2, 3 an	d 4 o	nly	
100					-(c) 1 8	und 3	3 only	,		(d) 1	1, 2, 3	and 4	1) [IA	5 2012]
				Ans	wers	Statistics.			199							
			(b)			(c)		(b)	10.			(c)		(a)	13.	(c)
			(b) (c)	20. 33.		(b) (a)			23.			(c)	25.	(b)	26.	(b)
10			(c)	46.		(a)		(a) (b)	36. 49.			(d) (a)	38. 51.	(b) (b)	39. 52.	(d) (a)
	53. (b) 54. (c) 55. (a) 56. (c) 57		(d)	59.		(d)			62.			(c)	64.	(b)	65.	100112-001
Car	66. (b) 67. (b) 68. (a) 69. (c) 70	. (d) 71.	(d)	72.	(c) 73.	(c)	74.	(b)	75.							
1					ogy o											
	Root develop from any part of plant radical— (a) Tap root (b) Adve (c) Fibrous root (d) Tuber Root develop from radical—	body ex	cept t		10. St (a 11. Pi (a	ill ro) Pa op ro) Taj	ot is ddy oot is p roo	foun (k) Su	gar c	(b) I	Ground Fasicu Adven	lated	root	Gram
	Root develop from any part of plant radical—(a) Tap root(b) Adve (c) Fibrous root(d) Tuber	body ex ntitious r ous root ratory roo	cept t oot		10. St (a 11. Pr (a (c 12. Re	ill ro) Pa op ro) Taj) Bra	ot is ddy oot is p roc anch deve	foun (k s) Su ot from	gar c	()	b) I d) /	asicu	lated ititioi	root	ot
	Root develop from any part of plant radical— (a) Tap root (b) Advec (c) Fibrous root (d) Tuber Root develop from radical— (a) Fibrous root (b) Respi (c) Adventitious root (d) Tap r Respiratory roots are found in—	body ex ntitious r ous root ratory roo oot	cept t oot		10. St (a 11. Pr (a (c 12. <u>R</u> (a 13. <u>C</u>	ill ro Pa op ro Taj Bra oots c Plu arrote	ot is ddy oot is p roc anch deve umul e is a	foun (e 5	ot from) Ra	gar c	1 (b) I d) <i>I</i> c) 5	Fasicu Adven Stem	lated ititiou (d	root 15 roo 1) Le	ot af
2.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(a) Tap root(b) TuberRoot develop from radical—(a) Fibrous root(b) Respiratory (c) Adventitious root(c) Adventitious root(d) Tap rRespiratory roots are found in— (a) Betel(b) Chest	body ex ntitious r ous root ratory roo oot nut	cept t oot		10. St (a 11. Pt (a (c 12. <u>R</u> (a 13. <u>C</u> (a	ill ro op ro) Taj) Bra pots c) Plu arrote) Ro	ot is ddy pot is proc anch deve umul e is a ot	foun (k ot ed ro lope le (k (b) Su ot from) Ra	gar c dica	(, (1 () ()	b) H d) 4 c) 5 c) H	⁷ asicu Adven Stem	lated ititiou (d	root 1s roo 1) Le 1) Fl	ot af ower
2. 3.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(c) Fibrous root(d) TuberRoot develop from radical—(a) Fibrous root(b) Respi(c) Adventitious root(d) Tap respiratory roots are found in—(a) Betel(b) Chess(c) Maiz(d) Rhizo	body ex ntitious r ous root ratory roo oot nut	cept t oot		10. St (a 11. Pi (a (c 12. Ro (a 13. C: (a 14. Ro	ill ro Pa op ro Taj Bra ots o Plu arrote Ro	ot is ddy p roc anch deve umul e is a ot arise	foun (le ot ed ro lope le (le (b s fro	ot from) Ra) Sta m th	gar c dica	(, (1 () ()	b) H d) 4 c) 5 c) H	⁷ asicu Adven Stem	lated ititiou (d	root 1s roo 1) Le 1) Fl	ot af ower
2. 3.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(c) Fibrous root(d) TubertRoot develop from radical—(a) Fibrous root(b) Respi(c) Adventitious root(d) Tap reRespiratory roots are found in—(a) Betel(b) Chest(c) Maiz(d) RhizoRoot found in Dahila—	body ex ntitious r cous root ratory roo oot nut phora	cept t oot		10. St (a 11. Pi (a (c 12. <u>Ro</u> (a 13. <u>C</u> (a 14. <u>Ro</u> Ba	ill ro) Pa op ro) Taj) Bra pots o) Plu arrote) Ro pots a nyar	ot is ddy p roc anch deve umul e is a ot arise n is c	foun (k ot ed ro lope le (k (b	ot from) Ra) Sta m th	gar c dica	(,(1 () rizon	b) H d) A c) S c) H ntal	⁷ asicu Adven Stem ³ ruit arial I	lated utitiou (a - (a branc	root 1s roo 1) Le 1) Fl hes o	ot af ower
2. 3.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(c) Fibrous root(d) TuberRoot develop from radical—(a) Fibrous root(b) Respi(c) Adventitious root(d) Tap respiratory roots are found in—(a) Betel(b) Chess(c) Maiz(d) Rhizo	body ex- ntitious r rous root ratory roo oot nut ophora orm root	cept t oot		10. St (a 11. Pr (a (c 12. Ro (a 13. Ca 14. Ro Ba (c (c)	ill ro) Pa op ro) Taj) Bra oots o) Plu arrote) Ro oots a inyar) An) Sti	ot is ddy prot anch deve umul e is a ot arise n is c unula	foun (k ot ed ro lope le (k b c (b s fro alled tted r ot) Su ot from) Ra) Sta m th oot	gar c ndica em e ho	(,(1 () rizor ()	b) H d) <i>A</i> c) S c) H ntal b) (d) H	Fasicu Adven Fruit arial J Climbi Prop ro	lated utitiou (- (c branc ing rc pot	root 1s roo 1) Le 1) Fl hes o	ot af ower
2. 3.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(a) Tap root(b) Advect (d) TuberRoot develop from radical—(a) Fibrous root(b) Respite (c) Adventitious root(c) Adventitious root(d) Tap rRespiratory roots are found in— (a) Betel(b) Chest (c) Maiz(c) Maiz(d) Rhize(a) Tuberous root(b) Fusific (c) Fasiculated root(d) ConiceClimbing root are found in—	body ex ntitious r rous root ratory roo oot nut ophora orm root al root	cept t oot		10. St (a 11. Pr (a (c 12. Ro (a 13. Ca (a 14. Ro Ba (c 15. W	ill ro Pa op ro Taj Bra ots o Ph arrote Ro ots a nyar An Sti hich	ot is ddy prod anch deve umul e is a ot arise n is c unula l rot	foun (k ot ed ro lope le (k (b s from alled rot ot ne fol) Su ot from) Ra) Sta m th oot	gar c ndica em e ho	(1 (rizor () ()	b) H d) 2 c) S c) H ntal b) (d) H is w	Fasicu Adven Stem Fruit arial I Climbi Prop ro yrong	lated utition (c branc branc cot ?	root is roo d) Le d) Fl hes o oot	ot af ower of tree
2. 3. 4.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(a) Tap root(b) Respi(c) Fibrous root(c) Tap root(a) Fibrous root(c) Respi(c) Adventitious root(d) Tap root(c) Adventitious root(d) Tap root(a) Betel(b) Chessi(c) Maiz(d) Rhizo(c) Maiz(d) Fusife(c) Fasiculated root(d) Conico(c) Fasiculated root(d) Trapa(a) Ctenospora(b) Trapa	body ex ntitious r rous root ratory roo oot nut ophora orm root cal root	cept t oot ot		10. St (a 11. Pr (a (c 12. Ro (a 13. Ca 14. Ro Ba (a (c) 15. W (a	ill ro Pa op ro Taj Bra oots o Plu arrote Ro oots a inyar An Sti hich Co	ot is ddy pot is p roc anch deve umul e is a ot arise n is c unula ll roc of th nical	foun (le bt ed ro lope le (le s from alled tted ro t te fol l root) Su ot from) Ra) Sta m th – oot lowin –Oni	gar c idica em e ho ion	((1 () rizor () () () () ()	b) H d) 2 c) S c) H ntal b) (d) H is w	Fasicu Adven Fruit arial J Climbi Prop ro	lated utition (c branc branc cot ?	root is roo d) Le d) Fl hes o oot	ot af ower of tree
2. 3. 4. 5.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(a) Tap root(b) Respi(c) Fibrous root(c) Tuber(a) Fibrous root(b) Respi(c) Adventitious root(d) Tap respiratory roots are found in— (a) Betel(a) Betel(b) Chessi(c) Maiz(d) Rhize(a) Tuberous root(b) Fusife(c) Fasiculated root(d) Conice(c) Fasiculated root(b) Trapa(a) Ctenospora(b) Trapa(c) Piper betel(d) Water	body ex ntitious r rous root ratory roo oot nut ophora orm root cal root	cept t oot ot		10. St (a 11. Pr (a (c 12. Ro (a 13. Ca 14. Ro Ba (a (c) 15. W (a (c)	ill ro) Pa op ro) Tap) Bra oots o) Ph arrote) Ro oots a myar) An) Sti hich) Co Na	ot is ddy pot is p roce anch deve umul e is a ot arise n is c unula Il roce of the nical pifo.	foun (le bt ed ro lope le (le s from alled tted ro alled rot l root) Su ot from) Ra) Sta m th — oot lowin –Oni oot–T	gar c idica em e ho ion urni	(1 (rizor () () () () () () () () () () () () ()	b) H d) A c) S c) F ntal b) C d) F is w b) F	Fasicu Adven Stem Fruit arial I Climbi Prop ro yrong	lated utition (c branc branc cot ?	root is roo d) Le d) Fl hes o oot	ot af ower of tree
2. 3. 4. 5.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(a) Tap root(b) Respi(c) Fibrous root(c) Tuber(a) Fibrous root(b) Respi(c) Adventitious root(d) Tap respiratory roots are found in— (a) Betel(a) Betel(b) Chessi(c) Maiz(d) Rhizo(a) Tuberous root(b) Fusife(c) Fasiculated root(d) Conice(c) Fasiculated root(b) Trapa(a) Ctenospora(b) Trapa(c) Piper betel(d) WaterEpiphytic root are found in—	body ex ntitious r rous root ratory roo oot nut ophora orm root cal root	cept t oot ot		10. St (a 11. Pr (a (c 12. Rd (a 13. C: (a 13. C: (a 14. Rd (a) (c) 15. W (a) (c) (d)	ill ro) Pa op rc) Taj) Bra oots () Plu arrote) Ro ooots (inyar) An) Sti hich) Co Na) Re	ot is ddy poot is p roo anch deve umul e is a ot arise n is c of umul all roo of th nical ppifo spira	foun (le bt ed ro lope le (le s from alled tted ro t tted ro t l root) Su from) Ra) Sta m th oot lowin –Oni oot–T root-	gar c idica em e ho ng m ion 'urnij -Mar	(1 () rizor () iatch () Pngroo	b) I d) / c) S c) F ntal b) C d) F is w b) F ove	Fasicu Adven Stem Fruit arial I Climbi Prop ro yrong	lated utition (c branc branc cot ?	root is roo d) Le d) Fl hes o oot	ot af ower of tree
2. 3. 4. 5.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(a) Tap root(b) Advect (d) TuberRoot develop from radical—(a) Fibrous root(b) Respite (c) Adventitious root(a) Fibrous root(b) Respite (d) Tap respiratory roots are found in— (a) Betel(a) Betel(b) Chester (c) Maiz(a) Tuberous root(d) Rhizo(a) Tuberous root(b) Fusife (c) Fasiculated root(a) Tuberous root(b) Fusife (c) Fasiculated root(a) Ctenospora(b) Trapa (d) Water(c) Piper betel(d) WaterEpiphytic root are found in— (a) Indian rubber plant(b) Orchit	body ex ntitious r rous root ratory roo oot nut ophora orm root cal root	cept t oot ot		10. St (a 11. Pr (a (c 12. Rd (a 13. C: (a 13. C: (a 14. Rd Ba (c) 15. W (a (c) 15. W (a (c) 15. W (a) (c) 15. W (a) (c) 16. C) (c) 17. C) (c) 18. C) (c) 19. C) 19. C) 19	ill ro) Pa op rc) Taj) Bra oots () Plu arrote) Ro) Ro) Ro Sti hich) Co Na) Re (Na) Re (Hy	ot is ddy poot is p roo anch deve umul e is a ot arise n is c umul all roo of th nical pifo spira toph drill	foun (le bt ed ro lope le (le s fro alled ited r ot alled ro t for for l root rm ro itory ores a	ot from (from () Ra () Sta ()	gar c idica em e ho ng m ion 'urnij -Mar	(((1) () (() (() () () () () () () () () () ()	b) H d) / c) 5 c) F ntal b) (d) F is w b) F ove	Fasicu Adven Fruit arial J Climbi Prop ro Vrong Fusifor Rhizop	lated tititiou ((branc branc ing rc pot ? rm ro	root is roo d) Le d) Fl- hes o ot R	ot af ower of tree
2. 3. 4. 5.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(a) Tap root(b) Advect (d) TuberRoot develop from radical—(a) Fibrous root(b) Respite (c) Adventitious root(a) Fibrous root(b) Respite (d) Tap respiratory roots are found in— (a) Betel(a) Betel(b) Chester (c) Maiz(a) Tuberous root(d) Rhizot (d) RhizotRoot found in Dahila— (a) Tuberous root(b) Fusifer (c) Fasiculated root(a) Ctenospora(b) Trapate (d) Water(a) Ctenospora(b) Trapate (d) Water(a) Indian rubber plant(b) Orchit (c) Amerbel(d) None	body ex ntitious r rous root ratory roo oot nut ophora orm root cal root	cept t oot ot		10. St (a 11. Pr (a (c 12. R((a) 13. C: (a) 13. C: (a) 13. C: (a) 14. Ro (a) (c) 15. W (a) (c) 15. W (a) (c) 15. W (a) (c) 16. C) 17. R((a) (c) 18. C) 18. C) 19.	ill ro) Pa op re) Taj) Bra oots () Plu arrote) Ro) Ro) An) Sti hich) Co Na) Re ema (Hy Wa	ot is ddy poot is proceanch deve umul e is a ot arise n is c umula of the nical pifo spira toph drill tter c	foun (le bt ed ro lope le (le ted ro alled ro ted ro to te fol l root rm ro to tory ores a hestr	ot from) Ra) Sta m th -Oni oot lowin -Oni oot- Troot- are fo	gar c dica em e ho urni urni -Mar ound	(((((((((((((((((((b) H d) A c) S c) F atal b) (d) H is w b) F ove 5) F d) S	Fasicu Adven Fruit arial I Climbi Prop ro Frong Fusifor Rhizop	lated tititiou (d branc ing rc pot ? rm ro phora a	root is roo d) Le d) Fl hes c oot ot-R	ot af ower of tree adish
2. 3. 4. 5.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(a) Tap root(b) Advect (d) TuberRoot develop from radical—(a) Fibrous root(b) Respite (c) Adventitious root(a) Fibrous root(b) Respite (d) Tap respiratory roots are found in— (a) Betel(a) Betel(b) Chester (c) Maiz(a) Tuberous root(d) Rhizo(a) Tuberous root(b) Fusife (c) Fasiculated root(a) Tuberous root(b) Fusife (c) Fasiculated root(a) Ctenospora(b) Trapa (d) Water(c) Piper betel(d) WaterEpiphytic root are found in— (a) Indian rubber plant(b) Orchit	body ex ntitious r rous root ratory roo oot nut ophora orm root cal root chestnut ds of these	cept t oot ot		 Statistical Structure Sta	ill ro) Pa op re op re) Taj) Bra oots () Plu arrote) Ro () No) No) Sti hich) Co Sti Na) Res ema ema Hy Wa	ot is ddy procanch deve umul e is a ot arise n is c unula ll roo of th nical pifo spira toph drill tter c of t	foun (le bt ed ro lope le (le ted ro alled ro ted ro to te fol l root rm ro to tory ores a hestr	ot from) Ra) Sta m th -Oni oot lowin -Oni oot- Troot- are fo	gar c dica em e ho urni urni -Mar ound	(((((((((((((((((((b) H d) A c) S c) F atal b) (d) H is w b) F ove 5) F d) S	Fasicu Adven Fruit arial I Climbi Prop ro Frong Fusifor Rhizop	lated tititiou (d branc ing rc pot ? rm ro phora a	root is roo d) Le d) Fl hes c oot ot-R	ot af ower of tree
2. 3. 4. 5.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(a) Tap root(b) Respite (c) Adventitious root(a) Fibrous root(b) Respite (c) Adventitious root(a) Fibrous root(b) Respite (c) Adventitious root(a) Fibrous root(c) Tap respiratory roots are found in— (a) Betel(a) Betel(b) Chessite (c) Maiz(c) Maiz(d) Rhize(a) Tuberous root(b) Fusifie (c) Fasiculated root(c) Fasiculated root(d) ConiceClimbing root are found in— (a) Ctenospora(b) Trapate (c) Piper betel(c) Piper betel(d) WatereEpiphytic root are found in— (a) Indian rubber plant(b) Orchite (c) Amerbel(a) Xerophytic plant(b) Climb (c) Mangroove plant(d) Hydre	body ex- ntitious r rous root ratory roo oot nut ophora orm root al root chestnut ds of these oing plant	cept t oot ot		 Statistical Structure Sta	ill ro) Pa op re op re) Taj) Bra oots () Plu arrote) Ro) Oots () Na) Co) Na) Sti hich) Co ema (Hy Wa hich cteria	ot is ddy proc anch deve umul e is a ot arise n is c umul all roo of the nical pifo spira toph drill tter c of t	foun (le bt ed ro lope le (le ted ro alled ro ted ro to te fol l root rm ro to tory ores a hestr	exp) Su ot from) Ra) Sta m th -Oni oot -Oni oot- Troot- are fo nut ollow	gar c adica em e ho urnij urnij -Mar ound	((((((((((((((((((((b) H d) A c) S c) F htal b) (C d) F is w b) F b) F b) F d) S s co	Fasicu Adven Fruit arial I Climbi Prop ro Frong Fusifor Rhizop	lated tititiou (a branc branc obranc orm ro ohora a nitre	root is roo d) Le d) Flo hes o oot ot-Ro	ot af ower of tree adish
2. 3. 4. 5.	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(a) Tap root(b) Respite (c) Fibrous root(a) Fibrous root(b) Respite (c) Adventitious root(a) Fibrous root(b) Respite (c) Adventitious root(a) Fibrous root(c) Tap respiratory roots are found in— (a) Betel(a) Betel(b) Chester (c) Maiz(c) Maiz(d) Rhizer (d) Rhizer(a) Tuberous root(b) Fusifie (c) Fasiculated root(c) Fasiculated root(d) Conicer (d) Conicer(c) Piper betel(d) Water (d) WaterEpiphytic root are found in— (a) Indian rubber plant(b) Orchif (c) Amerbel(a) Xerophytic plant(b) Climut (d) Hydre(c) Mangroove plant(d) Hydre	body ex- ntitious r rous root ratory roo oot nut ophora orm root al root chestnut ds of these oing plant	cept t oot ot		 Statistical State State State<!--</td--><td>ill ro) Pa op re op re ots () Taj Bra ots () Plu arrota) Ro ots : nyar) An Sti hich) Co Sti Na) Res ema Hy Wa hich cterii (Ass Na</td><td>ot is ddy poot is procanch deve unul e is a ot arise n is c unula ll roo of th nical ppifo spira toph drill iter c of t a ?</td><td>foun (le ed ro lope le (le s fron alled ited r be foll l root tory ores a thestr hestr he fol latory orm i</td><td>)) Su ot from ()) Ra ()) Sta m th ()) Sta m th ()) Sta m th ()) Sta m th ()) Sta m th ()) Sta ()) S</td><td>gar c adica em e ho urnij -Mar ound ring</td><td>((((((((((</td><td> b) H d) P c) S c) F d) H d) H b) C d) F b) F b) F c) F <lic) f<="" li=""> <lic) f<="" li=""> c) F c) F c) F</lic)></lic)></td><td>Fasicu Adven Fruit arial I Climbi Prop ro Vrong Fusifor Ausifor Alizop alvini ntain</td><td>lated tititiou (a branc branc obranc orm ro ohora a nitrc ated a</td><td>root is roo d) Le d) Fl hes o oot ot-R</td><td>ot af ower of tree adish</td>	ill ro) Pa op re op re ots () Taj Bra ots () Plu arrota) Ro ots : nyar) An Sti hich) Co Sti Na) Res ema Hy Wa hich cterii (Ass Na	ot is ddy poot is procanch deve unul e is a ot arise n is c unula ll roo of th nical ppifo spira toph drill iter c of t a ?	foun (le ed ro lope le (le s fron alled ited r be foll l root tory ores a thestr hestr he fol latory orm i)) Su ot from ()) Ra ()) Sta m th ()) Sta m th ()) Sta m th ()) Sta m th ()) Sta m th ()) Sta ()) S	gar c adica em e ho urnij -Mar ound ring	((((((((((b) H d) P c) S c) F d) H d) H b) C d) F b) F b) F c) F <lic) f<="" li=""> <lic) f<="" li=""> c) F c) F c) F</lic)></lic)>	Fasicu Adven Fruit arial I Climbi Prop ro Vrong Fusifor Ausifor Alizop alvini ntain	lated tititiou (a branc branc obranc orm ro ohora a nitrc ated a	root is roo d) Le d) Fl hes o oot ot-R	ot af ower of tree adish
 2. 3. 4. 5. 6. Ø 8. 	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(a) Fibrous root(d) TuberRoot develop from radical—(a) Fibrous root(b) Respi(c) Adventitious root(d) Tap r(a) Fibrous root(d) Tap r(a) Betel(b) Chessi(c) Maiz(d) Rhizo(a) Tuberous root(b) Fusifie(c) Maiz(d) Conice(c) Fasiculated root(d) Conice(c) Fasiculated root(d) ConiceClimbing root are found in—(a) Ctenospora(b) Trapa(c) Piper betel(d) WaterEpiphytic root are found in—(a) Indian rubber plant(b) Orchi(c) Amerbel(d) NonePnematophores are found in—(a) Xerophytic plant(b) Climb(c) Mangroove plant(d) HydrVelamen present in orchide plant—(a) For providing support	body ex ntitious r rous root oot nut ophora orm root al root chestnut ds of these ping plant ophytes p	cept t oot ot		 Standard (a) Print (a) (c) Reference (c) Reference (c)	ill ro) Pa op re op re ots () Taj) Br oots () Plu arrote) Ro) Plu arrote) Ro) Ro) Ro) Na) Sti hich) Co Na) Sti Hy Wa hich (As: Na e edi	ot is ddy pot is proce- anch deve- unul e is a ot arise n is c unula ll roce- of the nical ppifo- spira toph drill tter c of t a ?	foun (le ed ro lope le (le cb s fron alled ne fol l root rm ro tory ores a hestr he fol l root rm ro tory a hestr he fol l root rm ro tory a	exp) Su ot from () Ra () Sta m th oot () Sta m th oot () Sta m th oot () Sta ()	gar c adica em e ho armi ound ving ts tato i	((((((((((((((((((((((((((b) H d) A c) S c) F d) F is w b) F ove c) F ove c) F ove c) F ove <li< td=""><td>Fasicu Adven Fruit arial I Climbi Prop ro Vrong Gusifon Rhizop alvini ntain Vodula</td><td>lated tititiou (a branc branc obt orm ro obhora a nitro ated n us ro</td><td>root is roo d) Le d) Fla hes o oot ot-Ra ogen_ roots ot</td><td>ot af ower of tree adish</td></li<>	Fasicu Adven Fruit arial I Climbi Prop ro Vrong Gusifon Rhizop alvini ntain Vodula	lated tititiou (a branc branc obt orm ro obhora a nitro ated n us ro	root is roo d) Le d) Fla hes o oot ot-Ra ogen_ roots ot	ot af ower of tree adish
 2. 3. 4. 5. 6. Ø 8. 	Root develop from any part of plant radical—(a) Tap root(b) Advect(c) Fibrous root(d) TuberRoot develop from radical—(a) Fibrous root(b) Respiratory roots are found in—(a) Betel(b) Chess(c) Maiz(d) Rhize(c) Maiz(d) Rhize(a) Tuberous root(b) Fusifat(c) Maiz(d) Conice(c) Fasiculated root(d) Conice(c) Fasiculated root(d) Conice(c) Fiper betel(d) Water(c) Piper betel(d) None(c) Amerbel(d) NonePnematophores are found in—(a) Indian rubber plant(b) Crimit(c) Amerbel(d) HydreVelamen present in orchide plant—(a) For providing support(b) Fusifat(c) Mangroove plant(c) Hydre	body ex ntitious r rous root nut ophora orm root al root chestnut ds of these ping plant ophytes p	cept t oot ot		 Standard (a) Pri (a) (c) Red (a) Call (a) 	ill ro) Pa op re op re ots () Taj) Br oots () Plu arrote) Ro) Plu arrote) Ro) Ro) Na) Sti) hich) Co) Na) Sti) hich) Co) Na) Sti) hich) Co) Na) Na) Na) Na) Na) Na) Na) Na	ot is ddy pot is proce- anch deve- unul e is a ot arise n is c unula ll roce- of the nical ppifo- spira toph drill ther c of t a ?	foun (le ed ro lope le (le cb s from alled not tory loores a hestr he fol loores a hestr hestr hestr (b	e) Su ot from) Ra) Sta m th oot lowin oot-T root- are fo uut ollow 7 roo root bllow 9 Bu	gar c adica em e ho ag m ion aurni -Mar ound vinng ts tato j d	((() () () () () () () () () () () () (b) H d) 2 c) 5 c) F htal b) (d) F is w b) F d) S cove - 5) F d) S co 5) N d) T c) F	Fasicu Adven Fruit arial I Climbi Prop ro Vrong Gusifon Rhizop alvini ntain Vodula	lated tititiou (a branc branc obt orm ro obhora a nitro ated n us ro	root is roo d) Le d) Fl hes o oot ot-R	ot af ower of tree adish
 2. 3. 4. 5. 6. Ø 8. 	Root develop from any part of plant radical—(a) Tap root(b) Advect (c) Fibrous root(a) Fibrous root(d) TuberRoot develop from radical—(a) Fibrous root(b) Respi(c) Adventitious root(d) Tap r(a) Fibrous root(d) Tap r(a) Betel(b) Chessi(c) Maiz(d) Rhizo(a) Tuberous root(b) Fusifie(c) Maiz(d) Conice(c) Fasiculated root(d) Conice(c) Fasiculated root(d) ConiceClimbing root are found in—(a) Ctenospora(b) Trapa(c) Piper betel(d) WaterEpiphytic root are found in—(a) Indian rubber plant(b) Orchi(c) Amerbel(d) NonePnematophores are found in—(a) Xerophytic plant(b) Climb(c) Mangroove plant(d) HydrVelamen present in orchide plant—(a) For providing support	body ex ntitious r rous root nut ophora orm root al root chestnut ds of these ping plant ophytes p	cept t oot ot		 State (a) (a) (c) (c)	ill ro) Pa op re op re ots () Taj) Br ots () Plu arrote) Ro) Ro) Ro) Ro) Na) An) Sti) An) Sti) Na) Na) Na) Na) Na) Na) Na) Na	ot is ddy pot is proce- anch deve- unul e is a ot arise n is c unula is a n is c unula ll roce- of the nical phila toph drill phila ter c toph phila ter c toph phila ter c toph phila ter c toph phila ter c toph the phila ter c toph the phila ter c toph the ter c toph ter c toph the ter c toph the ter c toph the ter c toph the ter c toph ter c toph the ter c toph ter c toph tet	foun (le ot ed ro lope le (le (b s from alled not to to to to to to to to to to to to t	e) Su ot from) Ra) Sta m th oot lowin oot-T root- are fo uut ollow 7 roo root bllow 9 Bu	gar c adica em e ho ag m ion aurni -Mar ound vinng ts tato j d	((((((((((((((((((((((((((b) H d) / c) S c) F c) H htal b) C d) F b) F d) S cove c) F d) S cove c) N d) S cove c) F roo	Fasicu Adven Fruit arial J Climbi Prop ro Vrong Gusifor Rhizop alvini ntain Vodula	lated tititiou (d branc branc oot ? rm ro ohora a nitrc ated n ous ro (f	root is roo d) Le d) Fla hes o oot ot-Ra ogen_ roots ot	ot af ower of tree adish
 2. 3. 4. 5. 6. Ø 8. 	Root develop from any part of plant radical—(a) Tap root(b) Advect(c) Fibrous root(d) TuberRoot develop from radical—(a) Fibrous root(b) Respiratory roots are found in—(a) Betel(b) Chess(c) Maiz(d) Rhizot(c) Maiz(d) Rhizot(c) Maiz(d) Conice(c) Fasiculated root(d) Conice(c) Fasiculated root(d) Conice(c) Fiper betel(d) Water(a) Indian rubber plant(b) Orchi(c) Amerbel(d) NonePnematophores are found in—(a) Indian rubber plant(b) Orchi(c) Amerbel(d) NonePnematophores are found in—(a) Xerophytic plant(b) Climut(c) Mangroove plant(d) HydrVelamen present in orchide plant—(a) For providing support(b) For the absorption of moisture from(c) For the assimilation of Carbohydra	body ex ntitious r rous root nut ophora orm root al root chestnut ds of these ping plant ophytes p	cept t oot ot		 Statistical State Statistical State State State	ill ro) Pa op re op re ots () Taj) Br ots () Plu arrote) Ro) Plu arrote) Ro) Na) An) Sti) An) Sti) An) Sti) Na) Na) Na) Na) Na) Na) Na) Na	ot is ddy pot is proce- anch deve- unul e is a ot arise n is c unula ll roce- of the nical ppifo- spira- toph drill ther c c of t simil phifo- pot is a r pro- ot is a r	foun (le ot ed ro lope le (le (b s from alled ited r ot tory ore a hestr hestr hestr hestr itory ore a latory orm i part (b nodi ot	e) Su ot from) Ra) Stu m th oot lowin oot-T root- are fo ut bllow 7 roo root bllow 9 Bu ficati	gar c adica em e ho ag m ion aurning -Mar ound ring ts tato j d on o	((() () () () () () () () () () () () ()	b) H d) 2 c) S c) F htal b) C d) F b) F d) S cove c f) F d) S cove c f) N d) S cove c f) N f f f) S cove f f f f f f f f f f f f f f f f f f f	Fasicu Adven Fruit arial J Climbi Prop ro Vrong Fusifor Ausifor Ausifor Ausifor Ausifor Crong Cong Fusifor Ausifor Crong Cong Cong Cong Cong Cong Cong Cong C	lated tititiou (d branc branc obtranc orm ro obhora a nitro ated n ous ro (f ot	root is roo i) Le i) Fla hes o bot ot R oot ot R	ot af ower of tree adish fixing
2. 3. 4. 5. 0 8.	Root develop from any part of plant radical—(a) Tap root(b) Advect(c) Fibrous root(d) TuberRoot develop from radical—(a) Fibrous root(b) Respi(c) Adventitious root(d) Tap re(a) Fibrous root(d) Tap re(a) Fibrous root(d) Tap re(a) Betel(b) Chessi(c) Maiz(d) Rhize(c) Maiz(d) Rhize(a) Tuberous root(b) Fusife(c) Fasiculated root(d) Conice(c) Fasiculated root(d) ConiceClimbing root are found in—(a) Ctenospora(b) Trapa(c) Piper betel(d) WatereEpiphytic root are found in—(a) Indian rubber plant(b) Orchif(c) Amerbel(d) NonePnematophores are found in—(a) Xerophytic plant(b) Climb(c) Mangroove plant(d) HydreVelamen present in orchide plant—(a) For providing support(b) For the absorption of moisture from(c) For the assimilation of Carbohydra(d) For the exchange of gases	body ex ntitious r rous root nut ophora orm root cal root chestnut ds of these phytes p n air ate	cept t oot ot		 Statistical State State State<!--</td--><td>ill ro) Pa op rc) Taj) Br oots c) Plu arrote) Ro oots : inyar) An) Sti hich) Co Na) Re Sti hich) Co Na) Re Sti hich) Re sti hich) Re sti hich Co Na) Re Sti Na) Re Sti hich) Re Sti Na) Re Sti hich) Re Sti hich) Re Sti hich) Re Sti hich) Re Sti hich) Re Sti hich) Re Sti Na) Na) Na) Na) Na) Na) Na) Na)</td><td>ot is ddy pot is p rocanch deve umula e is a ot arise n is c umula ll roco of the nical pifo spira toph drill tter c ot is a 1 phifo is is is is is is is is is is is is is is i</td><td>foun (le bot eed roo lope le (le s fron alled uted r ot alled ited r ot alled ited r ot alled ited root alled ited root alled ited ited ited ited ited ited ited it</td><td>*) Su ot from () Ra () Stum () Stum</td><td>gar c adica em e ho urni urni urni urni urni tato i d on o</td><td>(((((((((((((() (() (() (() (() (</td><td>b) H d) A c) S c) F c) F htal b) (C d) F b) F d) S cove c) F roo c) F roo c) S co S d) A es n</td><td>Fasicu Adven Fruit arial J Climbi Prop ro Vrong Fusifor Ausifor Ausifor Ausifor Crong Ausifor Crong Cr</td><td>lated tititiou (d branc branc ot ot ated to fot lator re foo</td><td>root is root i) Le i) Flo hes o ot ot at roots ot i) Ste y roo</td><td>ot af ower of tree adish fixing em</td>	ill ro) Pa op rc) Taj) Br oots c) Plu arrote) Ro oots : inyar) An) Sti hich) Co Na) Re Sti hich) Co Na) Re Sti hich) Re sti hich) Re sti hich Co Na) Re Sti Na) Re Sti hich) Re Sti Na) Re Sti hich) Re Sti hich) Re Sti hich) Re Sti hich) Re Sti hich) Re Sti hich) Re Sti Na) Na) Na) Na) Na) Na) Na) Na)	ot is ddy pot is p rocanch deve umula e is a ot arise n is c umula ll roco of the nical pifo spira toph drill tter c ot is a 1 phifo is is is is is is is is is is is is is is i	foun (le bot eed roo lope le (le s fron alled uted r ot alled ited r ot alled ited r ot alled ited root alled ited root alled ited ited ited ited ited ited ited it	*) Su ot from () Ra () Stum () Stum	gar c adica em e ho urni urni urni urni urni tato i d on o	(((((((((((((() (() (() (() (() (b) H d) A c) S c) F c) F htal b) (C d) F b) F d) S cove c) F roo c) F roo c) S co S d) A es n	Fasicu Adven Fruit arial J Climbi Prop ro Vrong Fusifor Ausifor Ausifor Ausifor Crong Ausifor Crong Cr	lated tititiou (d branc branc ot ot ated to fot lator re foo	root is root i) Le i) Flo hes o ot ot at roots ot i) Ste y roo	ot af ower of tree adish fixing em

Objective General Knowledge

			and the second s	3i
21. Ec	lible part of Turnip is—			
) Modified adventitious	root		
) Modified tap root			
	Modified base of stem			
) Underground stem			
	em develops from—	<i>(</i> 1)		
) Plumule) Stem		Radicle	
			Epicotyl	
	ylloclad is a modificatior) Root		- Stem	
) Leaf	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	None of these	
24. Po	otato tuber is not a modifi			
) It is oval or spherical in			
(b)) It is protacted by corky	skin	stores the	
(c)	It bears spirally arrange	ed ey	ves which	
(4)	represent nodes		Crossel and ann	
) It stores starch as reserv	re to	od material	
	e of potato are—	(h)	Avillowsbude	
(a) (c)) Apical buds Adventitious root	(b)	Extra axillary bud	
	cacti photosynthesis is do			
	Leaf		Stem	
	Petiole	0.220	None of these	
27. W	hich of the following is a	stem	- here here to	
(a)	Potato	22. 20	Carrot	
(c)	Seat potato	(d)	Radish	
	tato is a modified stem w	hich	is called—	
2.2	Corm		Tuber	
A seato	Bulb		Scaly bulb	
29. In	e edible part of termeric i Root	10 AL 10	pl	
	Fruit	10.00	Rhizome Corm	
	nger is a—	(0)	Com	
		(5)	Modified stem	
	Modified leaf		Modified bulb	
31. Or	tion is a modified form of			
(a)	Stem	(b)	Root	
25	Leaves		Fruit	
	hich one of following is n	nodif	ied stem—	
	Carrot		Sweat potato	
	Coconut		Potato [IAS (Pre) 1996]
	biennial plant is the one v			
	Completes life cycle in t Completes life cycle in t			
(c)	Flowers every year but	com	nletes its life cycle in	
(-)	two year	com	pieces its me cycle m	
34. Ta	p root Commonly occur i	n—		
	Dicotyledons		Monocotyledons	
(c)	Angiosperm		Grass	
35. A 1	plant that flowers only on	ice ir	n life is –	
, (a)	Monoflory	(b)	Monocarpic	
	Polycarpic	(d)	Multicarpic	
	e edible part of garlic is—	-	Sector sector	
	Tunic Fleshy scales		Reduced stem	
	Fleshy scales	(a)	Base of in floresence	
	lb store food in— Root	(b)	Stom	
	Leaf base	- 10 A - 10 A - 1	Stem Petioles	
	The state of the s	(4)	- CHOICO	

		010
38.	The stem modified to per	form the function of leaf and
	many internodes is called	- in interest of the
	(a) Phylloclade	(b) Cladode
		(d) Phyllode
19.	Study of flower is called-	.e) listomoriality
	(a) Agroestology	(b) Phenology
	(c) Polynelogy	(d) Anthology
0.	Plant which does not bear	flower but have seed—
	(a) Orchides	(b) Gymnosperm
	(c) Angiosperm	(d) Crytogamus
1.	A complete flower have-	AND STREAMING THE
	(a) Androcieum and gyn	
P	(b) Sepal and Petal	
	(c) Both a and b	
	(d) Androcium, gynecium	n and petal
2.	Reproductive part of flow	er is—
	(a) Androcium and gyne	cium
	(b) Sepal and Petal	
	(c) Petal and androcium	
	(d) Sepal and gynecium	
3.	National flower of India is	sond an ameri berdabol / (e) o
	(a) Lotus	(b) Rafflesia
	(c) Lorenthus	(d) Rose
4.	Largest leaves occur in-	
-	(a) Raflesia	(b) Victoria
	(c) Banana	(d) Nicotiana
5.	Largest flower found in th	e world is—
	(a) Raflesia	(b) Victoria
	(c) Drosora	(d) Amerbel
5.	The edible part of cauliflo	wer is—
	(a) Fruit	(b) Bud
	(c) Flower	(d) Inflorescence
7.	In which of the following	leaves are reduced ?
	(a) Hydrophytes	(b) Mesophytes
	(c) Halophytes	(d) Xerophytes
8.	During spring seasona lea	ves from the branch of tree are
	fallen due to-	
	(a) Because duration of d	ay decrease
	(b) Decrease in atmosphe	
	(c) Decrease in atmosphe	ric pressure
	(d) Formation of separation	ng layer
9.	Part of plant which is impo	ortant for the life cycle of plant
	is—	and the second
		(b) Bud
	(c) Flower	(d) Stem
).	Transfer of pollengrain f	from pollensac to stigma is
	called—	
	(a) Thalmus	(b) Pollination
	(c) Fertilizaion	(d) Germination
L.	Anemophily pollination ta	
	(a) Animal	(b) Insects
1	(e) Wind	(d) Water
2.	Entomophily pollination c	
	(a) Animal	(b) Insects
	(c) Wind	(d) Water
2	Pollination by bat is called	
3.	Pollination by bat is called	and the second se
3.	Pollination by bat is called (a) Entomophily (c) Zoophily	(b) Anemophily (d) Cheiropterophily

513

-3

Objective General Knowledge

1401201)
54.	. Zoophily pollination by—	
	The part of the pa	water
	(c) wind (d)	insect
55.	Pollination takes place with the	
		Anemophily
1		Zoophily
56.	Pollination takes place with the	
		Hydrophyily
		Anemophily
	 Pollination takes place in closed 	
		Allogamy None of these
50	· · · · · · · · · · · · · · · · · ·	
58.	(a) Potato (b)	Onion
		Chilly
50		
37.	(a) Parthenogenesis (b)	Parthenocarpy
	• • • • • • • • • • • • • • • • • • •	Apogamy
60). Hair present in maize corn cob i	
00.	(a) Seed hairs	
	(b) Modified hairs of bract	
		Style
61.	. Pollination takes place by snail i	
		Anemophily
- 24		Malcophily
62.	. Cross pollination is more benifit	ed due to—
	(a) Formation of seed	
	(b) Formaion of good seed	
	(c) Formation of weak seed (d)	None
63.	 Polllination takes place in flowe 	
		Wind
		Animal
64.	. Pollen grain is—	
	(a) Embryo (b)	Male gametophyte
	the second se	Female gametophyte
65.	5. Flower in which pollination tak	tes place by insect their
	(a) Smooth and dry	Rough and sticky
		Large in size
		[SSC Grade 1999]
66.	. Fertilization is a process in which	h—
	(a) A male gamete fuse with eg	g cell
	(b) Transfer of pollen grains nu	
	(c) Fusion of male gamete with	
	(d) Fromation of seed from ovu	le
67.	7. Seed coat of seed is formed by-	
		Embryo
		Hilum
68.	 Double fertilization is main feat 	
		Pteridophytes
		Angiosperm
69.	 Parthenogenesis is a process in (a) Emit development with out here 	
	(a) Fruit develope without har	
	(b) Fruit develope without ferti(c) Development of egg without	
	(d) Development of embryo wi	thout fertilization
70). <u>Parthanogenesis</u> is seen general	
70.		Lichi
		Mango
	(d)	

71.	Vegetative propagation	by ster	n cutting is generally
	foundation-	-us lin	the Viewlined advect
	(a) Banana		Sugar cane
	(c) Mango	(d)	Cotton
			[30 th BPSC (Pre) 1994]
72.	Which of the following is	s grown	in field by their
	plantlet-		- elimina kai
	(a) Maiz	(b)	Sorgum
	(c) Onion	(d)	Soyabean
73.	True fruit develope from		
	(a) Ovary		Thalmus
	(c) Petal	(d)	Funicle
74.	Which one of following i	s a false	e fruit—
			Mango
	(c) Cashew-nut	(d)	Betel-nut
75.	Coconut and mango gro	uped ur	der kind of fruit-
	(a) Pome		Bery
	(c) Drup		Pepo
76.	The edible part of mange	o is –	-bud terrest fait
	(a) Exocarp		Mesocarp
	(c) Endocarp.		Pericarp
77.	Edible part of coconut is		
10.00	(a) Pericarp		Endosperm
	(c) Seed coat		Complete seed
78	Edible part of Lichi is-		
10.	(a) Fleshy Thalmus	(b)	Aril
	(c) Mesocarp		Cotyledon
70	Edible part of Apple and		
19.	(a) Pericarp	(b)	Mesocarp
	(c) Endocarp		Fleshy thalmus
80	Most important food is p		
80.	(a) Root		Stem
	(c) Fruit		Leaf
01	Seedless fruit is obtained		Leur
01.	(a) Using enzymes		Using harmones
	(c) Keeping plant at 70°	in Jul	Using narmones
	(d) Keeping plant in shi	ny light	
00	Grain of rice is a—		
04.	(a) 'Seed	(45)	Monocotylednous fruit
	(c) Dicotylednous fruit	(6)	Endosperm
00			
83.	Which of following mate (a) Mango-Bery		Tomato–Pome
	(c) Apple–Drup	1	Bannana-Bery
84.	Fruit of which of	the foll	owing plant is found
	underground soil— (a) Potato	(72)	Carrot
	(a) Pea-nut	1.000	
	CONTRACTOR OF THE OWNER OF THE OWNER	Tele Content	Onion [SSC Grade 2000]
	Which part of pear is edi		Constant of the second of the
	(a) Fleshy thalmus		Spores
	(e) Both a & b		Pod modeland AGM / CC 2004
200			madabad ASM / GG 2004]
86.	Which of the following j fruit?	plant on	ly produce seed but not
	(a) Sugar-cane	(h)	Paa-mut
	(c) Cycus		Pea-nut Almond
	ici cicus		RRB Bhopal TC/ CC 2005]
87	Seed developed from-	1	in purier ce 2000j
01.	(a) Gynecium	(b)	Ovule
	(c) Ovary		Pollen grain
		()	0

1

1

1

1

1

1

1

				Dion
88.	See	d which disperse throug	gh air	are generally—
		Dark in colour		Lighter in weight
		Haevy in weight		Round in shape
89		ds of orchid are		
		Dry & light	(b)	Small and sticky
		Large and heavy		None of these
00				
90.		nerally for germination v	which	t of the following is not
	and the second se	<u>ded ?</u> Light	(h)	Water
		Air		Temperature
0.1	25-34		((1)	remperature
91,		iparity is found in—	(1-)	Dhimanhana
		Pineapple Rhizobium		Rhizophora Rhizoclonicum
	10.10			
92.		pogeal germination is fo		
		Pumpkin	100 C	Maiz -
		Rhizophora		Beans
93.		geal germination is four		
	(a)	Maiz (b) Wheat	(c)	Pea (d) Castor
94.	Viv	ipary mean—		
	(a)	Development of seed a	fter fo	ertilization
	(b)	Germination of seed th	e ster	n side desident test,
	(c)	Germination of seed in	fruit	attached to
		parent plant		
	(d)	Organisation of many s	seed	
95.	Wh	ich of the following pa	art m	odified into pitcher in
		her plant –		
			(b)	Leaf
	(c)	Petiole	(d)	Stipule [LAS (Pre) 2007]
96.	Wh	ich one of following is a		
	(a)	Fashion flower plant	(b)	Pitcher plant
		Night queen		Flame of the forest
		0 1		[IAS (Pre) 2008]
97.	The	e outermost whorl of Bo	ugair	villea flower
		sist of—	0	
2	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Bract	(b)	Epicalyx
	3.4	Sepal		Petals
09		e seed in a mature ovary		
50.		Embryo		Embryosac
		Ovules		Endosperm
-				
99.		ich plant will lose its ec duced by parthenocarpy		the value if its fruits are
		Graps		Pome granate
		Orange		Banana
100				Dartana
100		allest angiospermic plar Wolffia (b) Victoria		Rafflesia (d) Orchid
	1	and the second	29.50	
101		ich one of the following		
		pping in order to enh	lance	the bioavailability of
		ogen ?		and the state of the state of the
		Wheat	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Gram
		Maize		Barley [CDS 2009]
102		gas used for artificial ri		
		Ether	S 55	Ammonia
		Acetylene		Ethylene
103	.Cor	nsider the following kine	ds of	organisms :
	1.	Bat 2. Bee	3.	Bird
-		ich of the above is/are p		
	(a)	1 and 2 only		2 only
	(c)	1 and 3 only	(et)	1, 2 and 3 [IAS 2012]

	ft drinks such	as cocoa	contai	n significant qu	antities
of-	The sea the			un add a star al	
an 51.15	Caffeine		1.1	Nicotine	
	Tannin			Renin	
$\frac{an}{a}$	d hairs due to it Protein and a Lipids	s reaction mino aci	with	rangered colour which of the follo	
	Carbohydrate	28		Pari the VP and	Allen come
	Amino acids				DS 2009]
	hich one of the	followin	gisal	protein fiber ?	
	Nylon			Polyester	14
	Silk	protore			DS 2007]
	e flavour of ap lowing ?	ples is m		lue to which one	<u>e of the</u>
7005	Formalin		(b)	Benzene	
(c)	Ethanal		(d)	Benzaldehye	
					5 2007]
	hat is the mode				
	Photosynthet			Chemosyntheti	
(c)	Parasitic		-(d)	Saprophytic [CL	os 2006]
09.W	hat is the bond	between	two a	mino acids in a	protein
cal	led ?				
	Ester bond			Glycosidic bond	
	Peptide bond			Phosphodiester	
10. Fo	r which of the	followir	ng_croj	os does India ha	ave the
lar	gest cultivated	area in t	he wo	rld?	
	Wheat			Rice	
(c)	Pulses		(d)	Cotton	
dis				nt) with List –I answer using th	
	List I		Lis	st II	
(N	ame of plant)		(Seed	dispersal Mech	anism)
Α.	Coconut	1		animal	
	Drumstick			posive mechanis	m
C.	Coklebur (Xar	thium)		water	
D.	Castor		4. By	wind	
Co	des : A	В	C	D	
(a)	2	1	4	3	
(6)	3	4	1	2	
(c)		4	1	3	
(d)	3	1	4	2	
12.Cc	nsider the follo	owing sta	temer	its ?	
1.	Bring a his a				
2.	Pumpkin is a	good so	urce of	vitamin A	
	hich of the foll rrect ?	owing st	tateme	nts given above	is/are
	1 only		(b)	2 only	
(c)	Construction of the second second second			Neither 1 nor 2	A 2007]
13. W	hich one of the	e followi	ing ty	pes of plants pr	
				ut seeds and v	
Participation of the local division of the l	sue?	1		CTTTTT TALL	
-	Gymnosperm	IS	(b)	Pteridophytes	
	Bryophytes	Rollince		Angiosperms	
20-1	J I - J		()	O	

114. In plant which one of the following tissues is dead ?

- (a) Parenchyma
- (c) Sclerenchyma
- (b) Collenchyma (d) Phloom
- (d) Phloem [NDA 2006]

115.Co 1. 2.	Fern plants lack tr	g statements— ductive organs are single celled. ue vascular system. Which of the above is/are correct	(c) The leaves convert is a heat absorbing(d) Theleaves gives out some heat as latent	process water whic	chvaporise	sabsorbing
(c) 116. WI (a) (b) (c) (d) 117. WI all bee (a) (b) (c) (d) 118. WI sha	Only 1 Both 1 and 2 hich one of the follow Funaria – Bryophy Chlorella – Pterido Spyrogyra–Algae Cycas–Gymnospe nen the bark of a tree around near its bar cause— Water from soil ca Roots are staryed Tree is infected by Root do not receive by do you feel cool to red on a sunny day ?	(b) Only 2 (d) Neither 1 nor 2 [NDA 2006] ing pair is not correctly matched— the ophte m [NDA 2006] e is removed in a circular fashion se it gradually dries up and dies not rise to aerial parts. of energy. soil microbes. e oxygen for respiration. [CSAT 2011] inder a tree but not so under a tin	some heat as latent 119.Bark of which tree is use (a) Cinnamon (c) Neem 120.A flower bud which is u (a) Cinnamon (c) Clove 121.Water is conducted in v (a) Phloem tissue (c) Meristems 122.Which component of flowering? (a) Stems (c) Leaves 123.Plant which grow in sal (a) Xerophytes (c) Halophytes (c) Halophytes 124.Embryo is found in—	ed as a cor (b) C (d) F used as spi (b) C (d) C ascular pla (b) F (d) X plants re (b) E (d) F ine soil are (b) F	ncliment Clove Palm Cardamon Coriander ant by— Parenchym Cylem tissu eceives sti Branches Roots e— Hydrophyte	[SSC 2011] a tissue te [BPSC 2011] imulus_for [BPSC 2011]
	Photosynthesis ab	he tree gives the coal feeling. sorbs heat	(a) Flower (c) Seeds	(b) L (d) B	Leaves Buds	[BPSC 2011]

1. (b)	2. (d)	3. (d)	4.	(c)	5. (c)	6.	(b)	7.	(c)	8.	(b)	9.	(a)	10.	(b)	11.	(d)	12.	(b)	13.	(a)
14. (d)	15. (a)	16. (b)	17.	(b)	18. (d) 19.	(c)	20.	(c)	21.	(b)	22,	(a)	23.	(b)	24.	(c)	25.	(b)	26.	(b)
27. (a)	28. (b)	29. (b)	30.	(b)	31. (a)	32.	(d)	33.	(a)	34.	(a)	35.	(b)	36.	(c)	37.	(c)	38.	(a)	39.	(d)
40. (b)	41. (c)	42. (a)	43.	(a)	44. (b) 45.	(a)	46.	(d)	47.	(d)	48.	(d)	49,	(c)	50.	(b)	51,	(c)	52.	(b)
53. (d)	54. (a)	55. (c)	56.	(b)	57. (a)	58.	(d)	59.	(b)	.60.	(d)	61.	(d)	62.	(b)	63.	(a)		(b)	65.	and the set of the
66. (a)	67. (a)	68. (d)	69.	(b)	70. (a)	71.	(b)	72.	(c)	73.	(a)	74.	(a)	75.	(c)	76.	(b)	77.	(b)	78.	(b)
79. (d)	80. (c)	81. (b)	82.	(b)	83. (d) 84.	(c)	85.	(a)	86.	(c)	87.	(b)	88.	(b)	89.	(a)		2010/02/02	91.	
92. (b)	93. (d)	94. (c)	95.	(b)	96. (b) 97.	(a)	98.	(c)	99.	(b)	100.	(a)	101.	(b)	102.	(d)			104.	经济的 计分子的
105. (a)	106. (c)	107. (c)	108.	(d)	109. (c)	110.	(b)	111.													
118. (d)	119. (a)	120. (c)	121.	(d)	122. (c)	123.	(c)	124.	(c)												

- 6. Plant Phisiology

- Osmosis Involves—
 - (a) Diffusion of suspended particle from higher to lower Concentration.
 - (b) Diffusion of suspended particle from lower to higher concentration.
 - (c) Diffusion of water from more to less concentrated side.
 - (d) Diffusion of water from less to more concentrated side.
- Transpiration in plants is a process of
 - (a) Photorespiration (b) Water loss
 - (c) Food production (d) Respiration [MTS 2014]
- In soil, water that is readily available to plant roots is :
 - (a) gravitational water (b) capillary water
 - (c) hygroscopic water (d) bound water
 - [CDS-II 2013]
- 4. A cell placed in strong salt solution will shrink because-
 - (a) Cytoplasm will decompose
 - (b) Mineral salt will break the cell wall
 - (c) Salt water enters the cell.
 - (d) Water Comes out by exosmosis.

- 5. Vaseline was applied to both surfaces of the leaves of a plant. Which of the following process/processes would be affected ?
 - 1. Photosynthesis
 - 2. Rspiration
 - 3. Transpiration
 - Select the correct answer using the code given below :
 - (a) 1 and 3 only (b) 2 only (c) 2 and 3 only (d) 1, 2 an
 - (d) 1, 2 and 3 [CDS-II 2013]
- A cell placed in strong salt solution will shrink because
 (a) Cytoplasm will decompose
 - (b) Mineral salt will break the cell wall.
 - (c) Salt water enters the cell.
 - (d) Water comes out from cell by exosmosis.
- 7. A cell shrink when it is placed in-
 - (a) Hypertonic solution (b) Hypotonic solution
 - (c) Isotonic solution (d) Saturated solution.
- 8. A cell increases in volume if the external medium is-
 - (a) Hypotonic (b) Hypertonic
 - (c) Isotonic
- (d) None of these

k because—

 9. Which one of the following elements is present in green pigment of leaf? (a) Magnesium (b) Phosphorus 	 24. <u>Transpiration help in</u> (a) Transportation of minerals (b) Ascent of sap
(c) Iron (d) Calcium [CDS Exam I 2014]	(c) Cooling (d) All of these 25. Minute pore found on the soft aerial part of plant
10. Which of the following structures of a plant is responsible for transpiration?	especially the leaves are called ? (a) Cuticles (5) Stomata
 (a) Xylem (b) Root (c) Stomata (d) Bark [CDS Exam I 2014] 11. During rainy seasons door made up of wood swell up 	(c) Lenticle (d) None of these 26. The percentage of water lost during transpiration is— (a) 80% (b) 60% (c) 99% (d) 40%
due to -1(a) Diffusion(b) Osmosis(c) Inbibition(d) Plasmolysis.	 27. Transpiration is regulated by movement of— (a) Guard Cells (b) Subsidiary Cell (c) Epidermal Cell (d) Mesophyll Cells.
12. Excessive supply of chemical fertilizer often causes death of crop plant due to—	 28. Transpiration differ from evaporation in— (a) Rate of water loss
(a) Exosmosis(b) Endosmosis(c) Imbibition(d) Turgidity	(b) Transpiration is a physiological process while evaporation is physical process.
13. In Plant water is transported through— (a) Cambium (b) Phloem (c) Xylem (d) Epidermis	(c) Tranpiration is physical process while evaporation is a physiological process.(d) Frequency of water loss.
14. Water avilable in soil for the root of Plant is-	29. Water movement against gravity is caused by—
(a) Capillary Water(b) Gravitational Water(c) Hygroscopic Water(d) None of these	(a) Imbibition(b) Transpiration(c) Osmosis(d) Diffusion
 When concentration of solutes is low in the soil, absorption of water is— 	30. <u>Stomata Generally open during</u> (a) Day time (b) During night
(a) Stopped (b) Increase (c) Retarded (d) Remains Normal	(c) Not open (d) None of these
(c) Retarded (d) Remains Normal 16. Plant cell kept in hypertonic solution will get—	31. <u>Plant cooling occurs due to</u> (a) Assimilation (b) Guttation
(a) Lysed (b) Turgid (c) Deplasmolysed (d) Plasmolysed	 (c) Photorespiration 32. Water exadation through hydothodes is—
 In biological system, the term osmosis involves the diffusion of 	(a) Guttation (b) Transpiration (c) Hydrolysis (d) Excretion
(a) Water (b) Solutes	33. Hydrothodes occur on—
(c) Energy (d) Both a & b.	(a) Stem (b) Leaves (c) Root (d) All of these
18. Which one of the following is the example of subsistence farming ?	34. Maximum transpiration occur in—
(a) Shifting cultivation (b) Commercial farming	(a) Algal cells(b) Xerophytic plants(c) Hydrophytic plants(d) Mesophytic plants
(c) Extensive and intensive farming	35. A twing kept in water having some salt remain fresh for
(d) Organic farming [CDS Exam I 2014]	longer period due to— (a) Decrease in bacterial degradation
19. Willting of plants occurs due to excessive : (a) Absorption (b) Transpiration	(b) Exosmosis
(c) Respiration (d) Guttation	(c) Decrease in transpiration rate
[A. C. I. O. G–II (Exe) 2013]	(d) Absorption of more water
 The process in which loss of water occurs in the form of water vapour through aerial part of plant is— 	36. An instrument for measuring the rate of transpiration :(a) Porometer(b) Hygrometer(c) Potometer(d) Psychrometer
(a) Respiration (b) Guttation (c) Transpiration (d) Exosmosis.	37. In plant process of transpiration occur through—
21. The maximum loss of water in transpiration is from—	(a) Stem (b) Leaves
(a) Lenticels(b) Cuticle(c) Stomata(d) Hydothodes.	(c) Root (d) All the areial part of plant
22. Transpiration is high under—	[RRB Mumbai/Bhopal TC/CC/2003]
(a) Dry environment	 38. Condition in which rate of transpiration increases— (a) Low velocity of wind
(b) Low atmospheric pressure	(b) Low humidity and high temperature
(d) All of above.23. The loss of water in the form of water drops is called—	(c) High humidity
(a) Transpiration (b) Respiration	(d) Excess amount of water in soil.
(c) Guttation (d) Exosmosis	39. Two main function of leaves are— (a) Transpiration & Respiration

(b) Respiration and digestion

- (c) Photosynthesis and respiration
- (d) Photosynthesis and transpiration
- 40. Absorption of water by root occure in the region of-
 - (a) Root cap (b) Cell elongation
 - (c) Root hairs (d) Cell division
- 41. The force by which water move upwards into tracheary elements of xylem in the root region is-
 - (a) Transpiration pull -(b) root pressure
 - (c) Turgor pressure (d) Imbibition pressure
- 42. Water will be absorbed by root hairs when the external medium is
 - (a) Hypotonic (b) Hypertonic (c) Isotonic (d) Viscous
- 43. Which one of the following plants produces seed but not fruit?
 - (a) Almond (b) Cycus
 - (c) Ground nut (d) Mustrad
- 44. Prolonged water logging kills plant due to-
 - (a) Stoppage of root respiration
 - (b) Dilution of soil nutrients
 - (c) Dilution of plant cell sap
 - (d) Leaching of nutrient.
- 45. Root hairs absorb water when-
 - (a) They respire rapidly
 - (b) Soil solution is isotonic
 - (c) Salt concentration of cell sap is high
 - (d) Salt concentration os soil is high
- The most accepted theory for ascent of sap was given by-
 - (a) Sachs (b) Bose
 - (c) Dixon and Joly (d) Strasburger
- 47. The principal pathway of water translocation in angiosperms is-
 - (a) Sieve cell
 - (b) Sieve tube elements (c) Xylem vessel system (d) Xylem and phloem
- Hydrophonics is growing of plant in—
 - (a) Laboratory (b) Phytotron
 - (c) Liquid culture medium (d) Solid culture medium
- 49. The process of taking in CO, by plant and releasing O, is component of-
 - (a) Transpiration (b) Respiration
 - (c) Endosmosis (d) Photosynthesis
- 50. Which of following is essential for photosynthesis-(a) Carbon dioxide (b) Chlorophyll'
 - (e) Sun light (d) All of these
- 51. Which one of the following gas comes out during photosynthesis-(b) Carbondioxide
 - (a) Oxygen
 - (c) Hydrogen (d) Chlorine.

[RRB Chandighar ASM/CG 2003]

- 52. Which one of the following statement is false-
 - (a) Photosynthesis occur in presence of sunlight
 - (b) CO, is used during photosynthesis
 - (e) O_2 is used during photosynthesis (d) O₂ comes out during photosynthesis
- 53. The oxygen in photosynthesis is released from-
 - (a) CO, (b) HO

(c) Both
$$CO_2 \& H_2O$$
 (d) Chlorophyll

[SSC Grade 2002, 2004]

- 54. Photosynthesis is fastest in-
 - (a) Blue light
 - (c) Red light
- 55. In photosynthesis-
 - (a) Light energy is converted into chemical energy
 - (b) Chemical energy is converted into light energy
 - (c) Chemical energy is converted into electrical energy

(b) Sun light

(b) Water

(d) Green light

- (d) Light energy is converted into mechanical energy [UPPCS (PRE)1998]
- 56. When chlorophyll absorbs light, it gets excited and
 - emits-
 - (a) Oxygen
 - (c) Electrons
 - (d) Energy rich compound
- 57. Rate of photosynthesis is minimum—
 - (a) Red light (b) Yellow light
 - (c) Blue light (d) Green light
- 58. Photosynthesis organelles found in plant cell-
 - (a) Mitochondria (b) Golgi bodies
 - (c) Chloroplast (d) Lysosomes
- 59. Photolysis of water involves-
 - (a) Excitement of water
 - (b) Evoluation of oxygen
 - (c) Breakdown of water by light
 - (d) Splitting of water into its ion H⁺ and OH⁻
- 60. The specific function of light energy in the process of photosynthesis is to-
 - (a) Activate chlorophyll
 - (b) Split water
 - (c) Reduce carbon dioxide
 - (d) Synthesize glucose
- 61. Chorophyll is present-
 - (a) On the surface of chloroplast
 - (b) Dispersed throughout chloroplast
 - (c) In the stroma of chloroplast
 - (d) In the grana of chloroplast
- 62. Beside water and light which is more essential as a raw material for photosynthesis-
 - (a) CO, (b) O
 - (c) Mineral salt (d) NAD
- 63. The process in which water is split during photosynthesis is-
 - (a) Photolysis

(c) N_{2}

(a) Ca

(c) Mg

- (b) Hydrolysis (c) Plasmolysis (d) Hemolysis.
- 64. Which gas is essintial for photosynthesis (a) O₂
 - (b) CO,

(b) Fe

- (d) CO
 - [43th BPSC (PRE)1999]

(d) S [46th BPSC (Pre) 2004]

[44th BPSC (Pre) 2001]

(b) Metabolic synthesis

(d) Photosyntization

- 65. First step of photosynthesis is-
 - (a) Activation of chlorophyll by sunlight
 - (b) Oxygen comes out from water

66. An element present in chlorophyll ----

67. Process by which plant prepare their food is-

(c) Formation of carbohydrate (d) Fixation of carbon dioxide

(a) Carboghdrolysis

(c) Photosynthesis

68.	Most of photosynthesis prod	
	(a) Blue and red region of 1	
	(b) In the green and yellow	
	(c) In the blue and orange 1 (d) In the wielet and orange	
	(d) In the violet and orange	the second se
	D 1 (11 1 1) 1 .	[SSC Grade 2004]
69.	Role of chlorophyll in photo	synthesis—
	(a) Absorption of water	
-	(b) Absorption of light ener	gy
	 (c) Absorption of CO₂ (d) None of these / 	
		RRB Bangalore ASM/CG 2004]
70.	Which of the following gas	is absorbed during
-	photosynthesis —	4 > 00
	(a) N_2	(b) CO ₂
	(c) O_2^{-}	(d) Water vapour
		[RRB Chennai TC/CC 2002]
71.	First compound which is fix	ed during photosynthesis
-		d > c; 1
	(a) Phosphoglyceric acid	(b) Starch
	(c) Glucose	
	(d) Diphosphoglyceric acid	
72.	and the second sec	in which glucose and fat is
	oxidised to librate energy-	AND
	(a) Photosynthesis	(b) Respiration
	(c) Transpiration	(d) Fermentation
73.	Percentage of light energy u	tilised for photosynthesis by
	higher plant is—	
	(a) 100% (b) 50%	
74.	Compensation point is the v	value of a factor where there
	is—	national (transmissional)
	(a) Begining of photosynth	esis
	(b) Little photosynthesis	SUSID MALAS LOSA
	(c) Photosynthesis equal to	
-	(d) Neither photosynthesis	
75.	Leaves are green because th	ey
	(a) Absorb green light	
	(b) Do not absorb but reflec	t green light
	(c) Utilise green light	- l'-LA
-	(d) Absorb and reflect green	-
76.	Which of the following is	required for synthesis of
	carbohydrate—	
	1 4	(b) Water
	(c) Nitrogen	(d) Carbon dioxide
	Plant purify air during—	(1 \ D
-	(a) Photosynthesis	(b) Respiration
	-	(d) Desiceation
78.		te nutrient usually occurs in
	the form of—	
	(a) Glucose (b) Maltose	(c) Starch (d) Sucrose
79.	Photosynthesis is—	
	(a) Photochemical process	
	(c) Oxidation process	(d) Reduction process
80.	Translocation of food occur	
	(a) Sieve tube/Phloem cell	
	(c) Xylem vessels	(d) Letex duct
81.	Photosynthesis proceeds in	sequence of—
	(a) Dark phase and light ph	
	(b) Light phase alone	

- (c) Light phase and dark phase
- (d) Dark phase alone

- 82. By product of photosynthesis is-(a) Organic compound (b) Oxygen
 - (c) Water (d) Energy
- 83. A biological process in which sugar is oxidised to release _energy-
 - (a) Transpiration (b) Respiration
 - (c) Photosynthesis (d) Fermentation
- 84. Carbon dioxide is released by plant during-
 - (a) Photosynthesis (b) Asent of sap
 - (d) Respiration (c) Transpiration
- 85. Instrument meant for measuring the rate of respiration :
 - (a) Potometer (b) Oxygenometer
 - (c) Autometer (d) Respirometer
- 86. ATP mean-
 - (a) Adesino tri phosphate
 - (b) Adenine tri phosphate
 - (e) Adenosine tri phosphate
 - (d) Adenosine tetraphosphate
- 87. ATP is-
 - (a) An enzyme which during about oxidation
 - (b) Harmone
 - (c) A protein
 - (d) A molecule which contain high energy phosphate bond
- 88. After respiration the conversion of energy is mainly in the form of-
 - -(b) ATP (a) ADP (c) AMP (d) Glucose
- 89. Both respiration and photosynthesis require-(a) Sunlight
 - (b) Chlorophyll
 - (c) Glucose (d) Cytochromes
- 90. Energy currency of cell is-(a) AMP (b) ATP (c) RNA (at) DNA
- 91. Mitochondria are sites of-(a) Oxidative Phosphorylation
 - (b) Photolysis
 - (c) Phosphorylation (d) Starch synthesis
- 92. Respiration is—
- (b) Exothermic process
 - (d) Endagenic process
- (c) Anabolic process 93. In anaerobic respiration-
 - (a) Oxygen is absorbed
 - (b) Oxygen is released

(a) Endothermic process

- (c) Carbon dioxide is released
- (d) Carbon dioxide is absorbed
- 94. Fermentation is-
 - (a) Anearobic respiration
 - (b) Incomplete oxidation of carbohydrate
 - (c) Complete oxidation of carbohydrate
 - (d) None of above

(c) Proteins

- 95. Instaneous source of energy is-
 - (a) Glucose
- (b) Fats (d) Amino acids
- 96. The net gain of energy from one gram mole of glucose during aerobic respiration is-(a) 2 ATP (b) 4 ATP (c) 38 ATP (d) 40 ATP
- 97. In plant energy is produced during the process of -
 - (a) Photosynthesis (b) Transpiration
 - (c) Respiration
- (d) Water absorption

- 98. Different steps in respiration are controlled by-
 - (b) Sugar (a) Auxins (c) Enzymes (d) Kinins

99. Anaerobic respiration takes place-

- (a) In absence of oxygen (b) In presence of oxygen
- (c) In presence of carbon dioxide
- (d) In absence of carbon dioxide
- 100. Respiration can occur in the absence of oxygen in-(a) Solanum tuberosum (b) Spirogyra
 - (d) All the above
- 101. Incomplete break down of sugar in anaerobic respiration form-
 - (a) Fructose and water (b) Glucose and CO,
 - (e) Alcohol and CO, (d) Water and CO₂
- 102. What is the importance of respiration in plant -
 - (a) It liberates energy (b) It provides O, to plants
 - (c) It liberates CO₂ (d) All the above
- 103. In glycolysis ultimately-
 - (a) Protein is converted into glucose
 - (b) Glucose is converted to glycogen
 - (c) Starch is converted into glycogen
 - (d) Glucose is converted into pyruvic acid
- 104. In krebs cycle-

(c) Yeast

- (a) Pyruvic acid is converted into CO, and H₂O
- (b) ADP is converted into CO,
- (c) Glucose is converted into CO,
- (d) Pyruvic acid is converted into ATP
- 105. Alcohol is a product of-
 - (a) Anaerobic respiration (c) Photosynthesis
 - (b) Aerobic respiration (d) Glycolysis
- 106. Respiration is found in-
 - (a) In all living cell in light (b) All living cell in dark
 - -(c) In all living cell both in light and dark
 - (d) Only in non green cells both in light and dark
- 107, Aerobic respiration takes place-
 - (a) In presence of O, (b) In absence of oxygen
 - (c) In presence of CO₂ (d) In absence of CO,
- 108. In mitochondria ATP synthesis occurs-
 - (a) At the oxter membrane (b) At the cristae
 - (c) In the matrix
 - (d) In the intra cristal space
- 109. Maximum amount of energy (ATP) is librerated on oxidation of-

(a)	Fats	(b) Protein
(c)	Starch	(d) Vitamin

- 110, End product of aerobic respiration are-
 - (a) Sugar and oxygen
 - -(b) Carbon dioxide, water and energy
 - (c) Water and energy
 - (d) Carbon dioxide and energy
- - (a) Calvin cycle (b) Glycolysis (c) Kreb cycle (d) Pentose
- 112. Which one yield the maximum energy-
 - (a) Krebs cycle (b) Anaerobic respiration (d) Aerobic respiration (c) Glycolysis
- 113. Mitochondria are store house of-
 - (a) Glycogen (b) Glucose (d) Fats
 - (c) ATP

- 114. Respiration is-
 - (a) Catabolic process that uses carbon dioxide, produce oxygen and converted released energy to ATP
 - (b) Anabolic process that uses oxygen and carbon dioxide to form ATP
 - (c) Anabolic process that uses oxygen, piduces carbon dioxide and converts released energy into ATP
 - (d) Catabolic process that uses oxygen, produces carbon dioxide and converts released energy into ATP
- 115. Which one can respire in absence of oxygen-(a) Seeds (b) Leaves (c) Stem (d) Root
- 116. Krebs cycle is-
 - (a) Aerobic (b) Anaerobic
 - (c) Anabolic (d) None of the above
- 117. Krebs cycle forms an important product-
- (a) Acetyl CoA (b) ADP (c) ATP (d) Water
- 118. Which one of following is a plant harmone-
- (a) Adreline (b) Insulin (c) Secretin (d) Auxin
- 119.2-4-D is a ----
 - (a) Insecteside (b) Explosive
 - (c) Fungicides (d) Weedicides
- 120. Which one of following statments is correct about harmone-
 - (a) It is a organic compound which control the growth of plant
 - (b) It is a special kind of organic compound found in small amount which control metabolic activity and growth of plant
 - (c) Its different concentration have different effect on different organ
 - (d) All of these
- 121. Indole acetic acid is-
 - (a) Enzyme (b) Fungicides
 - (c) Amino acid (d) Auxins
- 122. Which of the following statement is correct regarding auxin-
 - (a) It inhibits the falling of leaf
 - (b) It destroy weeds
 - (c) It permote apical growth
 - (d) All of above
- 123. Chemicals having profound effect on growth and development are-
 - (a) Enzyems
 - (b) Phyto harmones (d) Manure (c) Catalytic agents

124. Food products are kept in cold storage or refrigeration in order to-

- (a) Make them tasty (b) Use in off season
- (e) Maintenance of freshness, longevity and teste due to low respiration
- (d) Keep them cool
- 125. Naturally accurring auxin is-
 - (b) Ethylene
 - (d) Benzal dehyole
- (c) 2,4-D 126. Ethylene is-

(a) IAA

- (a) A gaseous metabolites (b) A gaseous enzyme
- (c) A gaseous harmone (d) A solid harmone
- 127. Auxin suppresses the growth of-
 - (a) Lateral axillary buds (b) Apical buds
 - (c) Roots on stem cuttings (d) parthenocarpy

Biology

			Bio
128. Gib	berelling bring about-		
(a)	yellowing of leaves		
	Elongation of geneticall		
	Dwarfing of genetically		
	thenocarpy fruit is	oł	otained by sprying
	ytoharmone—		a keine mit in dia die in die
	Zeafin		ABA
	Auxins		Kinetin
wit	and the second se		
	Cytokinin		Gibberellic acid
A Real Property lies and	Auxin		Antigibberellin
131.Hig	ghest concentration of au		
_(a)	In growing tips	(b)	In leaves
	At the base of plant org	ans	
	In xylem & phloem		
	rmone helping in cell div		New York Control of Co
	IAA	1000	NAA
	Cytokinin/Zeatin		Gibberellin
	af fall can be prevented w		
	Abcisic acid		
	Florigen		
	it ripening is accelerated	l by-	ad mbteros it de
	Warm surroundings		
	Increased nitrogen supp	oly	
(C)	Reduced water supply		
	Ethylene rich atmosphe	ie	
	xin is a—	(1-)	Currently develop
	Growth catylser Growth harmone		Growth destroyer Growth inhibitor
	iich one of the following NAA		
	ABA		2, 4-D G.A
and the second s		(u)	0.A
Water states	lol acetic acid is—	(1-)	Transisi dan
	Enzyme Amino acid		Fungicides Auxin
		10000001210	
	berellins is first separate		
	Algae Bacteria		Fungi Virus
	Chemical believed to be in		
	Gibberelin		Kinetin
	Florigen	1	IBA
	ich one produces more e		
	Green apple		Green banana
	Ripening banana	(d)	Fresh potato tuber
1100000000	A was first isolated from-	-	
	Corn germ oil		Gibberella
and the second s	Human urine		Rhizopus
	od is preserved at low ter		ature because—
100 000	Bacterial attack is minin	nise	
	For easy cooking	(4)	All the charge
	For easy digestion		All the above
	it drop occurs when frui No auxin as in the stem		and the second se
The lines	Less auxin as compared		tem

- (b) Less auxin as compared to stem
- (c) More auxin than the one present in the stem
- (d) Auxin concentration equal to that of stem

144. The instrument by which rate of growth of plant is measured-(a) Hydrometer (b) Auxanometer (c) Osmometer (d) Potometer 145. Which of the following tree require highest amount of water for growth-(a) Mango (b) Babool (c) Guava (d) Euclyptus 146. Growth in plant occur-(a) Whole life (b) For definite period (c) Growth does not takes place in plant (d) None of these 147. Growth rate of plant when plolted on the paper against time then "S" shaped curve is obtained, it is called-(a) Sigmoid curve (b) Respiration curve (c) Excretion curve (d) Osmotic curve 148. For the growth in length of plant which of the following is not essential (a) Sodium (b) Calcium (c) Nitrogen (d) Phosphorus [RRB Ranchi ASM/GG 2005] 149. Growth movement in plant due to light is called-(a) Geotropism (b) Phototropism (c) Hydrotropism (d) Thigmotropism 150. Movement in plant induced by external stmuli-(a) Tactic movement (b) Nastic movement (c) Autonomic movement (d) Paratonic movement 151. Movements of leaves of the sensitive plant mimosa pundica are due to-(a) Thermonnasty (b) Seismonasty (c) Photonasty (d) Nystynasty 152. If the stem grows towards sunlight, and root grow just opposite to it, the stem movement is called-(a) Negative phototrophic movement (b) Phototrophic movement (c) Positive phototrophic movement (d) None of these 153. Example of positive geotropism is-(a) Closing of flower (b) Upward growth of stem (e) Downward growth of root (d) Lateral growth of root 154. Thigmotropism is best exhibited by-(a) Lamina (b) Tendrils (c) Root apex(d) Thorn 155. Leaf of mimosa droops down on touching because of-(a) Water loss from leaflet base (b) Change in water concentration (c) Loss of water from cell to intercellular space in paulvinus and pulvinules (d) All of above 156. Nastic movements differ from tropic movement in being -(a) Movement of variation (b) Non drectional (c) Directional (d) Stimulated by chemicals 157. The leaves of mimosa pundica droop down on touch because-(a) Plant have nervous system (b) The leaf are very tender (c) The leaf tissue are injured

521

(d) The turgor pressure of leaf base changed

158. Green pigment found in the	leaf of plant is—	(a) 1 only	(b) 2	2 only
(a) Haemoglobin	(b) Chlorophyll	(e) Both 1 and 2	(d) 1	Neither 1 nor 2
(c) Lycopin	(d) None of these			[IAS Pre 2009]
159. What is the type of movemen	t that occurs during opening	167. Consider the follo	wing	a to gridnew G [b]
and closing of flower-		_1. Camphor -2. C	hicory -3. Va	nilla.
(a) Nastic movement	(b) Tactic movement	Which of the abov		roduct?
(c) Tropic movement	(d) Mutation	(a) 1 and 2		3 only
160. Example of positive geotrop	ism is—	(c) 1 and 3	(d) 1	1, 2 and 3
(a) Closing of flower		168. Assertion (A): Cel	lulose is used in	n making shatter proof
(b) Upward growth of stem		glass.		
(c) Downwards growth of r		Reason (R) : Polys	acharides are no	ot soluble in water.
(d) Lateral growth of root		Codes :		
161. Closure of lid pitcher plant i	s a—	(a) Both A and R	is true and R	is correct explanation
	(b) Turgor movement	of A		
(e) paratonic movement	(d) Autonomic movement		s true but R is r	not correct explanation
162. Phototrophic and Geotropic		of A		
	(b) Enzymes	(c) A is True but I		
(c) Auxin	(d) Cytokinins	(d) A is false but I		[IAS Pre 2009]
163. It is possible to produce seed		169. In plant body, the	water and min	nerals are transported
(a) Applying trace elements		by		
(b) Spraying mineral solution		(a) Bast		Collenchyma
(c) Spraying harmones on f		(c) Parenchyma		Xylum [NDA 2006]
(d) Applying fertilizers cont		170. With reference to t		
164. Consider the following plant		plant, consider the		
(1) Bougainbillea	(2) Carnations			nolecules of a substance
	(4) Grapes			er concentration to the
Which of these plants are pre-			lower concentr	
	(b) 2, 3 and 4			h the water molecules
	(d) 1, 2, 3 and 4			able membrane from
	[IAS Pre 2002]			entration to the region
165. Consider the following state	ments-	statements is/	r concentration	. Which of the above
1. Molassesisaby-product		(a) 1 only) and the
	sugar mills is used as a fuel	(a) Folly (c) Both 1 and 2		2 only Neither 1 nor 2
in the boilers to generate		der bour i and 2	(0) 1	[NDA 2005]
	ducad from sugar cons os			Is the as moved

- 3. Sugar can only be produced from sugar cane as the raw material. Which of these statements are correct?
- (a) 1 and 2 (b) 2 and 3 (c) 1 and 3
 - (d) 1, 2 and 3/IAS Pre 2003]

166. Consider the following statements—

- 1. Sweet orange plant is propagated by grafting technique.
- 2. Jasmine plant is propagated by layering technique.

Which of the statement given above is/are correct?

171. Oxygen released during photosynthesis of green plant comes from the breakdown of which of the following ?

- (a) Carbon dioxide (b) Fatty acid
- (c) Carbohydrate (d) Water
- 172. The phenomenan by which water molecules move from a weaker solution to a stronger solution through a semipermeable-membrane is called-
 - (a) Diffusion (b) Osmosis (c) Transpiration
 - (d) Translocation

[NDA 2005]

					1			111000		Ans	wei	rs an	etes :			ad i							
1. (d)	2. (b)	3.	(b)	4.	(d)	5.	(c)	6.	(d)	7.	(a)	8.	(a)	9.	(a)	10.	(c)	11.	(c)	12.	(a)	13.	(c)
14. (a)	15. (b)	16.	(d)	17.	(a)	18.	(d)	19.	(b)	20.	(c)	21.	(c)	22.	(d)	23.	(c)	24.	(d)	25,	(b)	26.	(c)
27. (a)	28. (b)	29.	(b)	30.	(a)	31.	(d)	32.	(a)	33.	(b)	34.	(d)	35.	(c)	36.	(c)	37.	(d)	38.	(b)	39.	(d)
40. (c)	41. (b)	42.	(a)	43.	(b)	44.	(a)	45.	(c)	46.	(c)	47.	(c)	48.	(c)	49.	(d)	50.	(d)	51.	(a)	52.	(c)
53. (b)	54. (c)	55.	(a)	56.	(c)	57.	(d)	58.	(c)	59.	(c)	60.	(a)	61.	(d)	62.	(a)	63.	(a)	64.	(b)	65.	(a)
66. (c)	67. (c)		(a)	69.	(b)			71.	(c)		(b)		122215103454	74.		75.	(b)	76.	(d)	77.	(a)	78.	(d)
79. (d)	80. (a)		(c)		(b)		(b)		(d)		(d)			87.			(b)	89.	(d)	90.	(b)	91.	(a)
92. (b)	93. (c)		(b)	The Second States	in the set		(c)		200 C		(c)			100.	1-63 - 67 - 1 - 1	101.		102.			(d)	104.	(a)
105. (a)				108.			2410.55	110.			1000	112.				114,							(c)
118. (d)						122.					1.000000				0.51.55	127.	25201540	128.	10.202.00		12.2		(b)
131. (a)			10120-20		0.53000053				000709353		ELECTRONIC ALC		10.30112			140.	63590 6362			142.		143.	(6)
	145. (d)					148.	S. Statistics											154.			1.00		(b)
157. (d) 170. (c)			10000	160.	(c)	161.	(c)	162.	(c)	163.	(c)	164.	(c)	165.	(a)*	166.	(c)	167.	(d)	168.	(a)	169.	(d)

	J.P	lant
1.	 Which of the following leaf modifications occurs/occur in desert areas to inhibit water loss ? 1. Hard and waxy leaves 2. Tiny leaves or no leaves 3. Thorns instead of leaves Select the correct answer using the codes given below. 	 (a) absorbs green light (b) reflects all but yellow and blue light (c) reflects green light (d) absorbs red and yellow light [SCRA 2012] 8. Which one of the following plants yeilds biodiesel or
	(a) 1 and 2 only (b) 2 only	8. Which one of the following plants yeilds biodiesel or biofuel?
2.	 (c) 1 and 3 only (d) 1, 2 and 3 [IAS 2013] Consider the following statements : 1. Red algae appear black since they do not absorb light 	 (a) Hevea braziliensis (b) Jatropha curcas (c) Juniperus verginiana (d) Parthenium orgentatum
	of any wavelength.	9. <u>Gibberellins</u> , the plant growth hormone, are extracted
	 Yeast is commonly used for fermentation prior to baking. 	from: Aa) Fungus (b) Bacterium (c) Algae (d) None [SSC CGL 2014]
	 Olive oil is extracted from seeds of olive plants. Commercially used saffron represents dried stigmas from flowers. 	 A plant with green leaves viewed in red light will appear: (a) Green (b) Red (c) Violet (d) Black
	Which of the statements given above are correct ? (a) 1, 2 and 3 (b) 1 and 3 only	[SSC (LDC) 2013]11. Leaves of which of the following plants are not used for the rearing of silkworms ?
3.	(c) 2 and 3 only (d) 2 and 4 [SCRA 2012] A cellulosic wall is found in the cells of	(a) Mulberry(b) Castor (c) Oak (d) Teak [NDA (l) 2014]
	(a) Fungi (b) Plnats (c) Animals (d) Bacteria [SSC LDC 2013]	12. An orchid is considered to be a/an : (a) symbiont (b) endophyte
4.	Which one of the following crop combination is not adopted in mixed cropping in India ?	(c) parasite (a) epiphyte [SSC Ste. 2013]
	(a) Wheat and Mustard(b) Wheat and Chick Pea(c) Rice and Ground nut	13. Self pollination will lead to : (a) overbreeding (b) outbreeding (c) inbreeding (d) rare breeding [SSC 2013]
	(d) Ground nut and Sun flower [SSC (LDC) 2013]	14. Hydroponics is a method of culture of plants without
5.	as—	using : (a) sand (b) soil (c) water (d) light
	(a) endosperm(b) nucellus(c) hypocotyl(d) embryo [SSC LDC 2013]	[SSC 2013]
6.		15. The plant that behave as a root parasite is : (a) Ficus (c) Cuscuta (d) Euphorbia [SSC 2013]
	(a) have surface uneven in micro-scale and water cannot come into contact with the depressed areas due to high	16. Name the tiny pores present on the surface of leaves in plants :
	surface tension (b) contain an oily substance	(a) Hydathodes(b) Stomata(c) Trichomes(d) Pits[SSC (LDC) 2013]
	(c) contain a greasy substance	17. The type of root formed in Betel vine is :
_	(d) have surface too smooth to attract water [UPSC 2013]	(a) Stilt Root (b) Clinging Root
7.	A plant leaf appears to be green because it	(c) Climbing Root (d) Prop Root [55C 2013]
	14. (b) 15. (b) 16. (b) 17. (b)	(c) 8. (b) 9. (a) 10. () 11. (d) 12. (d) 13. (e)
		t Tissue
	Tissue which is responsible for the secondary growth—(a) Xylem(b) Phloem(c) Cambium(d) Cortex	(c) By the number of annual ring(d) By the length of its root
2.	Cork is obtained from—(a) Xylem(b) Phloem(c) Cork cambium(d) Vascular cambium	 6. Aerenchyma tissues are found in— (a) Mesophyte (b) Perophytes (c) Lithophytes (d) Hydrophytes
3.	of plant through-	 7. <u>Vellamen tissue in orchids are found in</u> (a) Shoot (b) Root (c) Leaf (d) Flower
4.	(a) Xylem (b) Cortex (c) Phloem (d) Pith Water and mineral in plant is transported through—	 8. Trunk of tree increases in grith due to cell division in— (a) Vascular tissue -(b) Meristematic tissue
5.	(a) Xylem (b) Phloem (c) Pith (d) Cortex Age of tree is estimitted by—	(c) Cortex (d) Pith
	(a) Its weight (b) Its height	 Transverse section of an old tree stem show fifty annual ring. The age of tree will be—

:

(a) 25 year (b) 49 year (c) 50 year (d) 100 year (a) Apical meristem (c) Intercalary meristem 10. Hydrophytes float on the water surface due to presence. (d) Element of xylem & xylem & ploem of-22. Annual rings are distinct in plant which grow in-(b) Scelerenchyma (a) Collenchyma (d) Mesenchyma (c) Aerenchyma 11. Apical meristmatic tissue is responsible for— (a) Growth in length (b) Growth in thickness (c) Growth in cortex (d) None of these 12. Number of stomata is less and sunkin in-(a) Mesophytes (b) Halophytes (c) Hydrolphytes (d) Xerophytes 13. Function of yellomen is-(b) Protection of tissue (a) Respiration (c) Absorption of moisture (d) None of these 14. Lateral meristem is responsible for-(a) Growth in length (b) Growthin parenchyma (c) Growth in thickness (d) Growth in cortex 15. Living member of phloem tissue is-(a) Vessel (b) Companion cell (c) Sieve tube (d) Fibers 16. Bark includes (a) All the tissues outside vascular cambium (b) Tissue inside the vascular cambium (c) Tissue inside xylem (d) All the dead tissue outside vascular cambium 17. In tree, the growth ring represent— (a) Primary xylem (b) Secondary xylem (c) Secondary phloem (d) Cambium 18. Procambium stituated just behind the apical meristem, give rise to-(a) Primary vascular bundles and primery cambium (b) Only vascular cambium (c) Only corck cambium (d) Only primary vascular bundles 19. The cell wall of xylem cells is rich in-(a) Lipid (b) Protein (c) Lignin (d) Starch (a) Jute 20. Whose living cell provide tensil and mechanical strength-(a) Collenchyma (b) Sclerenchyma (c) Phloem (d) Sclereids 21. vascular cambium and corck cambium is the example of—

(a) Grass land (b) Arcatic region (c) Tropical region -(d) Temparate region 23. One growing ring of plant is consist of-(a) Only autumn wood (b) Spring wood and early wood (c) Only spring wood (d) Spring wood and autumn wood 24. Annual ring do not occur in dicot tree growing on seashore because-(a) Soil is sandy (b) There is little climatic variation (c) Increased moisture (d) There is a large scale dimatic variation 25. Meristem is a group of cell that-(a) Elongate and add to the group of permanent cell (b) Add to the bulk of plant (c) Store food (d) Devide continually to form new cells 26. Tissue in which cells have lost the capicity of cell division (a) Mesristmatic tissue (b) Permanent tissue (c) Both a and b (d) None of these 27. Companion cells are usually seen associated with-(a) Fibers (b) Tracheids (c) Vessels (d) Sieve tube 28. Tissue is a group of cells-(a) Similar in origin, structure and function (b) Similar in origin but dissimilar in structure and function

(b) Lateral meristem

- (c) Dissimilar in origin but similar in structure and function
- (d) Dissimilar in origin, structure and function
- 29. Longest fibers are found in-
 - (b) Cotton
 - (c) Sunn Hemp (d) Coir
- The corner of the cells of collenchyma tissue in plant are thickened due to deposition of-
 - (a) Lignin and suberin (b) Suberin and cutin
 - (c) Cellulose and pectin (d) Chitin and lignin

[NDA 2005]

Answers

k ,	(c)	2.	(c)	3.	(c)	4.	(a)	5.	(c)	6.	(d)	7.	(b)	8.	(b)	9.	(c)	10.	(c)	-11.	(a)	12.	(d)	13.	(c)	
14,	(c)	15.	(b)	16.	(a)	17.	(b)	18.	(a)	19.	(c)	20.	(a)	21.	(b)	22.	(d)	23.	(d)	24,	(b)	25.	(d)	26.	(b)	
27	(d)	28,	(a)	29.	(a)	30.	(c)																			

9. Plant Disease

[SSC CGL 2014]

Rust of wheat is a-1. (a) Fungal disease

- (b) Viral disease
- (c) Hormonal disorder

- (d) Bacterial disease
- 2. Which of the following is used as rodenticide?
 - (a) Zinc phosphide (b) Zinc carbonate
 - (c) Zinc chloride (et) Zinc sulphide [SSC 2014]
- 3. Tikka disease is related with the crop :
 - (a) Musturd (b) Paddy
 - -(c) Ground nut (d) All of these

- 4. <u>Canker disease in lemon is due to</u>
- (b) Bacteria (a) Fungi (c) Virus (d) Nematode
- 5. Red rust disease of tea is caused by-

(e) Bajara

- (a) Bacteria (b) Lichen
 - (c) Fungi (d) Green algae
- Green ear disease is related with the crop-6. (a) Musturd
 - (b) Paddy
 - (d) Ground nut

Education Keeda

	Di.	
		blogy 525
7.	0 0	(a) Sulphur (b) Potassium
	most harmfull for crop ?	(e) Zinc (d) Manganese
	(a) Egg (b) Pupa	22. Plant require Fe and Mg for
	(e) Caterpiller (d) Emago	(a) Synthesis of Chlorophyll
8.	Milibug is related with the crop—	(b) Opening and closing of stomata(c) Energy transfer during photosynthesis and
	(a) Musturd (b) Wheat (c) Mango (d) Brinjal	respiration
9.	Little leaf rosetting is deficiency symptom of—	(d) Translocation of carbohydrate
-	(a) Zn (b) Mn (c) Cu (d) B	23. Nitrogen fixing enzyme found in root nodules is-
10.	The scientist who studied about wheat rust problem—	(a) Nitrogen estrase (b) Nitrogenase
	(a) H.C. Bose (b) K.C. Mehta (c) Birbal Shani (d) D.D.Pant	(c) Nitrase (d) Nitrosomans
11		24. Deficiency of magnesium causes-
11.	The disease fire blight is related with— (a) Apple (b) Grape (c) Orange (d) Coconut	(a) Nacuasia (L) DI 1
12	Which one is responsible for red rot of sugarcane—	(c) Hydrolysis (c) Hydrolysis (c) Chlorosis
1.60	(a) Colletotrichum falcatum(b) Albugo Candida	25. Most of the plant obtain nitrogen from the soil in the form,
	(c) Fusarium oxysporum (d) Claviceps purpurea	of-
-13	Match correctly the crops listed in List–I with the diseases	(a) Free nitrogen gas (b) Nitric acid (c) Nitrites (d) Nitrates
_	affecting them given in List-II-	
	List-I (Crops) List-II (Diseases)	26. Internal cork of apple is deficiency symptom of (a) Mo (b) B (c) Cu (d) Zn
	A. Paddy 1. Downy mildew	27. Claviceps purpurea is the causal organism of—
	B. Wheat 2. Blast	(a) Smut of barley (b) Erogotism of rye
	C. Mustard 3. Red rot D. Sugarcane 4. Rust	(c) Powdery mildew of pea (d) Rust of wheat
	Codes: A B C D	28. White rust of crucifers is caused by—
	(a) 3 1 2 4	(a) Puccinia graminis (b) Ustilago tritici
	(b) 2 4 1 3	(c) Phytophthora infestans (d) Albugo candida
	(c) 4 2 3 1	29. Red stripe of sugarcane is caused by bacteria
	(d) 1 2 4 3 [SSC (LDC) 2013]	(a) Pseudomonas rubruilineans
14.	Which of the following fungus cause green ear disease	(b) Pseudomonas solanacearum
	of bajra—	(c) Pseudomonas tumefaciens
	(a) Phytophthora infestans(b) Albugo Candida(c) Sclerospora graminicala(d) Cercosplora personata	(d) Xanthomonas citri
15	Fungus responsible for disease late blight of potato is	30. In India famous Bengal famine accurred in 1942 by a disease in rice is called
201	(a) Cercospora personata (b) Phytophthora infestans	(a) Late blight of rice (b) Rice rust
	(c) Claviceps purpurea (d) Sclerospora graminicola	(e) Leaf spot of rice (d) Early blight of rice
16.	Citrus Canker is a—	31. Leaf spot disease of rice is caused by—
	(a) Species of lemon (b) Mosaic desease	(a) Fungus (b) Bacteria
	(e) A disease in lemon (d) None of these	(c) Virus (d) None of these
17.	Which of the following disease is not caused by fungus	32. Fungus responsible for bengal famine is—
	in plant—	(a) Phytolphthora infestans
	(a) Tikka disease of ground nut	(b) Helminthosporium oryzae
	(b) Red rot of sugarcane	(c) Hemileia vastatrix (d) Fusarium oxysporium
	(c) Green ear disease of bajara(d) Mosiac disease of tobacco	33 Match the following— Plant disease Factor
18.	Black heart of potato is due to—	A. Citrus canker 1. Insects
	(a) Deficiency of copper (b) Deficency of boron	B. Red rot of sugarcane 2. Deficency of Oxygen
	(c) Deficiency of oxygen (d) Deficency of potassium	C. Krishnakant desease of
19.	Element playing role in nitrogen fixation—	potato 3. Bacteria
	(a) Mn (b) Mo (c) Zn (d) Cu	D. Sahu disease of wheat 4. Fungus
20.	Sulphur is absorbed by plant as-	Codes : A B C D
	(a) SO ₃ from soil (b) SO ₂ from air	(a) 1 2 3 4 (b) 3 4 2 1
	(c) SO_4 from soil (d) Both b and c	(c) $\begin{array}{cccccccccccccccccccccccccccccccccccc$
21.	White bud in maize indicates acute deficiency of-	(d) 4 1 3 2
	Ans	wers man and
		(c) 8. (a) 9. (a) 10. (b) 11. (a) 12. (a) 13. (b)
		(d) 21. (c) 22. (a) 23. (b) 24. (d) 25. (d) 26. (b)
	27. (b) 28. (d) 29. (a) 30. (c) 31. (a) 32. (b) 33.	(b)

-10. Branch of Zoology

10

1.	man	deal with the study of skin of	 Branch of science which deal with the study of causativ agent of disease is—
**	(a) Physiology	(b) Anatomy	(a) Ecology (b) Etiology
	(c) Biochemistry		(c) Eugenics (d) Euthenics
	and the second	0.	
2.	Study of bone is called-		18. Study of effect of radiation on plant and animal is—
	(a) Orology	(b) Oesteology	(a) Pathology (b) Etiology
	(c) Seromology	(d) Geology	(d) Cosmology
3.	Study of insects is called-	Language and the second second second	19. Study of population—
0.	(a) Ichthyology	(b) Neonatology	
	(c) Entomology	(d) Anthropology	(c) Demography (d) None of these
4.	Ichthyology is study of-	and a second second second second	20. Study of tissue culture is useful for—
	(a) Snakes	(b) Lizards	(a) Living (b) Plant
	(c) Aves	(d) Fish	(c) Insect (d) Genetic
-			
5. e	Study of butterfly is—	11 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21. Branch of science in which we study about molluscs
	(a) Ichthyology	(b) Neonafology	called—
	(c) Lapidopterology	(d) Polynalogy	(a) Oncology (b) Gerontology
6.	Study of system of anim	al body which protect it from	(c) Melacology (d) Chondrology
	infection of various desea		22. Study of antigen and antibodies found in blood—
	(a) Hemology	(b) Immunology	(a) Histology (b) Biology
	(c) Microbiology	0.	(d) Gynecology
7.	Ornithology is the study	of—	[RRB Allahabad 20
	(a) Mammal	(b) Birds	23. When a disease break out and spread from one place
	(c) Fishes	(d) Bat	another affecting large number of peoples it is called-
0			(a) Edemic (b) Epidemic
0	The word histology is rel		(c) Endemic (d) Sporadic
	(a) Tissue	(b) Virus	
	(c) Protoplasm	(d) Cell	24. Study of the effects of toxic chemical substance on amin
9.	Study of disease like cand	cer—	and plant is—
	(a) Osteology	(b) Oncology	(a) Toxicology (b) Microbiology
	(c) Karyology	(d) Nephrology	(c) Limnology (d) None of these
		RB Allahabad Jr Clerk Grade 2009]	
0		KD MIANADAG JI CIEIK GIAGE 2009j	
10/			(a) Hepatology (b) Hematalogy
1	(a) Oncology	(b) Herpetology	(c) Histology (d) None of these
	(c) Malacology	(d) Saurology	26. Study of internal structure of organism is called—
11.	Study of vestigeal organ	is called—	(a) Morphology (b) Anatomy
-	(a) Dermatology	(b) Dysteleology	(c) Histology (d) Cytology
	(c) Chirology	(d) Etiology	
		0-	27. Branch of science which deals with the study of tiss
12.		deal with the improvement	
	of human race by pro	viding better environmental	(a) Hepatology (b) Histology
	condition-		(c) Haematology (d) Herpetology
	(a) Euthenics	(b) Eugenics	28. Branch of biology which is concerned with study
	(c) Fossils	(d) Evalution	function of internal organ of organism—
13.		ir of organisms in their natural	(a) Physiology (b) Psycology
	habitates—		(c) Biology (d) None of these
	(a) Euthenics	(b) Eugenics	29. Study of growth and development of embryo—
	(c) Ethology	(d) Ethnology	(a) Embryology (b) Immunology
	0,	deal with the study of various	
1.4.			
	aspects of different races		30. Study of integrated use of microbiology, biochmistry a
	(a) Eugenics	(b) Euthenius	engineering is—
	(c) Ethnology	(d) Palentology	(a) Biology (b) Bioinformatics
15	Study of ductless gland i	s called—	(e) Biotechnology (d) Biography
201	(a) Embryology		
		(d) Endocrinology	31. <u>Study of parasitic organism is called</u>
	(c) Ecology	(d) Euthenics	(a) Parazology (b) Parasitology
16.	The branch of science wh	nich deal with the study of law	(c) Both a and b (d) None of these
	of genetics for the improv	vement of human race-	32. Study of lizards is called—
	(a) Eugenics	(b) Euthenics	(a) Saurology (b) Serpentology
	(c) Ethology	(d) Ethnology	(c) Serology (d) None of these
	(c) Eurorogy	(d) Eunology	(c) berology (d) None of these

Bio	logy 527
 33. Study of ultrasound imaging is called— -(a) Sonography (b) Sphynography (c) Radiology (d) None of these. 	 (a) Psychology (b) Psychiatry (c) Phycology (d) Pathology 42. Ophthalmology is the branch of science in which we
 34. Study fo female reproductive system is— (a) Gerontology (b) Gastroenterology (c) Gynecology (d) None of these 35. <u>Gastroenterelogy</u> is the study of— (a) Alimentary canal (b) Excretory system (c) Reproductive system (d) Circulatory system 	study about (a) Nose (b) Tongue (e) Eye (d) Ear 43. Animal who have constant body temperature (a) Homeothermic (b) Hemothermic (c) Hematology (d) Histology
 36. Study of pulse and arterial blood pressure is called— (a) Sphygmology (b) Scerology (c) Sonography (d) None of these 37. Nephrology is the study of— (a) Lung (b) Kidney (c) Heart (d) Brain 38. Study of blood vascular system is called— (a) Angiology (b) Agrology (c) Anatomy (d) Agronomy 39. Study of nose and alfactory organs is called— (a) Radiology (b) Rhinology (c) Radiography (d) None of these 40. Treatment of body defects through massage and exercise— 	 44. Pathology is the branch of sceience which deal with the study of— (a) Nature of disease (b) Development of disease (c) Control of disease (d) All of them 45. Branch of biology which deal with the study of processing and preservation of food is called— (a) Food technology (b) Food biotechnology (c) Food preservation (d) None of these 46. Making interesting discoveries unexpectedly or by accident— (a) Serendipity (b) Seridity (c) Sericulture (d) None of these
 (a) Phylogeny (b) Parasitology (c) Physiotherapy (d) Physiology 41. Branch of biology in which we study about treatment of mental desease— 	 47. Branch of science in which we study about curing disease, deformities and injuries by physical operations— (a) Pharmacy (b) Psychology (c) Surgery (d) Medicine
1. (d) 2. (b) 3. (c) 4. (d) 5. (c) 6. (b) 7. 14. (c) 15. (b) 16. (a) 17. (b) 18. (c) 19. (c) 20. 27. (b) 28. (a) 29. (a) 30. (c) 31. (b) 32. (a) 33.	(b) 8. (a) 9. (b) 10. (c) 11. (b) 12. (a) 13. (c) (b) 21. (c) 22. (c) 23. (b) 24. (a) 25. (b) 26. (b) (a) 34. (c) 35. (a) 36. (a) 37. (b) 38. (a) 39. (b) (a) 47. (c)

-II. Classification of Animal Kingdom

1.	Malaria parasite and Am	oeba grouped under—
	(a) Protozoa	(b) Porifera
	(c) Coelenterata	(d) Anilida
2.	Which of the following	do not have a definite shape—
	(a) Paramecium	(b) Euglena
	(c) Trypnosoma	(d) Amoeba
3.	Slipper shape animal is-	Elever mutberer, while
	(a) Amoeba	(b) Paramecium
	(c) Trypanosoma	(d) None of these
4.	Locomotary organ of An	noeba—
	(a) Cilia	(b) Flagella
	(e) Pseudapodia	(d) Tentacles
5.	Which of the following is	also known as green protozoa—
	(a) Amoeba	(b) Paramecium
	(c) Leshmania	(d) Euglena
6.	Connecting link between	n animal and plant—
	(a) Amoeba	(b) Euglena
	(c) Plasmodium	(d) Paramecium
7.	The gas essential for pro	tein synthesis is :
	(a) N ₂ (b) O ₂	(c) CO ₂ (d) Cl ₂ [MTS 2014]
8.	Protozoa responsible for	
	(a) Amoeba	(b) Entamoeba
	(c) Paramecium	(d) Trypanosona

-

9.	Protozoa which cause m	alaria—	
	(a) Paramecium		
	(c) Plasmodium		
10.	Protozoa which produce	Kala-azar	
	(a) Entamoeba		
	(c) Trichomonas	(d) Leishmania	
11.	Sleeping sickness is caus	ed by-	
	(a) Trichomonas		
	(c) Leishmania	(d) Plasmodium	
12.	Unicellula non-pathogen	ic parasite found in the human	
	intestine is—	And the second second second	
	(a) E coli	(b) Entamoeba histolytica	
	(c) Trypanosoma	(d) Entamoeba gingivalies	
13.	Consider the following :		
	1. Star tortoise	-2. Monitor lizard	
-	3. Pygmy hog	4. Spider monkey	
	Which of the above are r	naturally found in Inida ?	
	(a) 1, 2 and 3 only	(b) 2 and 3 only (d) 1, 2, 3 and 4 <i>[IAS 2013]</i>	
	(c) 1 and 4 only	(d) 1, 2, 3 and 4 <i>[IAS 2013]</i>	
		in mosquito was discovered by	
	(a) Louis Pasture(c) Charles Darwin	(b) Ronald Ross	
	(c) Charles Darwin	(d) Mendal	
15.	Which one of the followi	ing is used as a gift in Japan—	
	(a) Euspongia	(b) Euplectella	
	(c) Hyalonema	(d) Cliona	

49.

50.

51.

52,

.

100	has—	ng is known a <u>s venus's flowe</u>
		(b) Euspongia (d) None of these
17		ody of sponges—
11.	(a) Ostia	(b) Osuculum
	(c) Redulla	(d) Cilia
18		the top of Sycon is called
10.	(a) Ostia	(b) Osculum
		(d) Trachea
19.	Phyllum coelenterata is a	
	(a) Protozoa	(b) Porifera
	1.3	(d) Annelida
		ave no blood but they respire-
	(a) Cockroach	(b) Earthworm
	(c) Hydra	(d) Kangaroo
21.	Corals reefs are formed b	
	(a) Protozoa	(b) Coelenterata
	(c) Arthropoda	(d) Porifera
22.	Locomotory organ of hyd	
- 100	(a) Pseudopodia	(b) Cilia
	(c) Tentacles	(d) Flagella
23.	Corals are—	
	(a) Forest wood	(b) Sea animal
	(c) Sea plant	(d) None of these
24.	Animal known as jelly fis	
25	Sea anemone is also know	
de Ja	(a) Hydra	(b) Physallia
	(c) Aurelia	(d) Metridium
26		nown as 'Portuguese man of
	war'—	the second se
		(c) Aurelia (d) Obelia
27.	Immortality is a property	
	(a) Spong (c) Earthworm	(b) Hydra
		(d) Cockroach
28.	Flat worm is kept under p	hyllum—
-	(a) Platyhelminthes	(b) Nematchelminthes
	(c) Annelida	(d) Molusca
	Tape worm comes under j	
	(a) Annelida(c) Molusca	(b) Amphibia
		(d) Platyhelminthes
0.	Which of the following is	
	(a) Honey bee	(b) Earthworm
	(e) Tape worm	(d) Silkworm
s1.	Which of the following human by eating leaf—	worm reach into intestine of
	(a) Tape worm	(b) Flat worm
	(c) Hook worm	(d) Round worm
	Round worm comes unde	
der n	(a) Annelid	(b) Nemalehelminthes
	(c) Platyhelminthes	(d) Arthropoda
	Disease cause by ascaris ir (a) Teniasis	
	(c) Liver rot	(b) Ascarisis (d) Insomania
See.	The disease filaria is cause	
1	al Accaric	(b) h March and the line line line line line line line lin
1	(a) Ascaris (c) Plasmodium	(b) Wuchereria bancrafti (d) Tenia solium

35	Ascaris is found in—	
	(a) In the intestine of man (c) Coelom of human	(b) Muscles of pig (d) In the blood of man
36.	. Pheretima posthuma is sci	entific name of which of the
3	fallowing-	
	(a) Leech (c) Earth worm	(b) Neris
27		(d) Tape worm
57.	The pigment found in the table (a) Hemocynine	(b) Homotics
	(c) Haemoglobine	(d) Cynine
38.	Earthworm is called farme	
	(a) It fix atmospheric nitro	gen
	(b) It make the soil porous	
	(c). It work as insecticide	
39.	Number of eyes found in e	arthworm—
	(a) One	(b) Two
	(c) Many	(d) No eye [SSC Mat 1999]
40.	How many pair of leg is for	und in Insect—
	(a) One pair	(b) Two pair
	we) Three pan	(d) Four pair
41.	Among the following anin three pairs of legs.	nals, choose the one having
	(a) Spider (b) Scorpion	(e) Bug (d) Mito
	(ii) option (b) beorpron	(e) Bug (d) Mite [CDS Exam I 2014]
42	Slik is obtain from—	[CD3 Exam 1 2014]
	(a) Egg of silk worm	(b) Pupa of silk worm
	(c) Larva of silkworm	(d) None
43	Larva of house fly called-	(a) Hone
ж.,	(a) Pupa	(b) Imago
	(e) Magote	(d) None <i>[IAS (Pre) 2000]</i>
44	Poison in scorpian is found	in
	(a) Mouth (b) Leg	(c) Hand (d) Telson
45.	The disease sleeping sickne	
	(a) Tse-Tse fly	(b) Sand fly
	(c) Bed bug	(d) Head louse
46.	The disease Kala-azar is spr	
	(a) Sand fly	(b) Bed bug
	(c) Head louse	(d) None
47.	Characteristic feature of clas	
	(a) Three pair leg	-(b) Two pair antena
	(c) One pair of antena	(d) Four pair antenna
	Consider the following anim	
		2. Sea horse
	3. Sea lion Which of the above is /ore m	1/
	Which of the above is / are n (a) 1 only	
	(a) 1 only (c) 2 and 3 only	(b) 1 and 3 only (d) 1 2 and 2 (14 C conc)
10		(d) 1, 2 and 3 <i>[IAS 2013]</i>
±7.	Cuttle fish is known as— (a) Loligo (b) Sepia	(e) Pila (d) Torpedo
50.	Octopus comes under phyll	
	(a) Arthropoda	(b) Hemichordata
	(e) Mollusca	(d) Echinodermata
		[LAS (Pre) 2003]
51.	Which one of following is ki	
	(a) Pila (b) Sepia	(c) Torpedo (d) Octopus
52,	Number of arm found in oct	topus-
	(a) 4	(b) 5

ų

ġ

3 No will

A COLUMN

No. Arr

(c) 6 (et) 8

	Connecting link between A (a) Neopilina		Ketoderma
	(c) Dentalium	(d)	Unio
54.	Star fish grouped under pl	vlum	- Respondent
	(a) Mollusca	(b)	Fishes
	(c) Arthropoda	fett	Echinodermata
55	Aristotle lantern is found i		
	(a) Star fish		Brittle star
	(c) Sea-Urchin		Sea-cucumber
6	Aristotle lantern is—	(01)	bou cucumon
00.	(a) A fresh water echinod	armate	
	(b) A toothed chewing ap		
	(c) Circulatory system for		
	(d) A lantern like structure	e foun	d in brittle star
	Star fish is named as—	c roun	a monthe star
	(a) Asterias	(1-)	Uslathuria
	(c) Antedon		Halothuria Sea urchin
-0			
20.	Respiration occur in fishes		
	(a) Lung (c) Nostril	-(b)	
		(d)	Scles
59.	Heart of fishes pump-		and the second second second
	(a) Only pure blood		
	(c) Pure and impure both		
60.	Which of the following is t		
**	(a) Starfish		Jelly fish
	(c) Cuttle fish	(d)	Sea horse
51.	Which one of following is	not a t	rue fish—
	(a) Cuttle fish	(b)	Silver fish
	(c) Jelly fish	(d)	None of these
52.	Sea horse is the example of	f phyl	lum—
	(a) Fishes		Mammal
	(c) Repticle	(d)	Mollusca
53.	Which of the following is a	true f	ïsh—
			Cry fish
	(c) Cuttle fish		Silver fish
			[UPPCS (Pre) 2004
4	House fly feed on sugar cr	vstal b	
	(a) Crushing it and suckir		
	(b) Crushing and eating		
	(c) Sucking		
	(d) Dissolving it in saliva	and sp	onging the solution
5.	The phylum that include e	100	
	(a) Porifera		Coelenterata
	(c) Protozoa		Echinodermata
6	AND A DECEMBER OF THE OWNER OWNER OF THE OWNER OWNE OWNER OWN		
00.	In starfish, the organ havi and respiration are—	ng a u	tual fole of focomotio
	(a) Madreporite	(h)	Dermal branchiae
	-(c) Tube feet		Tiedman's bodies
	• •	1. Carlos and 1.	
17.	How many pair of heart a		
	(a) One (c) Three	No. Contractor	Two
		15.4	Four
8.	Among the following, an u		
	(a) Sea pen, sea fan, coral		
	(b) Cattle fish, starfish, de		
	(c) Sea star, sea urchin, sea		
	(d) Globe fish, rat fish, gol	d tish	and pipe fish.
9.	Give the correct matching	ng of	causative agent an
	disease—		
	(a) Anonholos Malaria		

(a) Anopheles – Malaria

	(c)	Lashmania – Sleep Glossina – Kala-aza Wuchereria – Filari	ar	ess			
70.	An	opheles and culex i h the help of—		s can	be distin	guis	hed
	(a) (c)	Antennae Sitting posture	(b) (d)	Mou Feed	th part ing habits	-	
71.	Me	tamerism is the					the
-		Porifera	(tb)	Anne	elida		
		Platyhelminthes	and the second se		usca		
72.	Tub	pe feet are found in-	<u>-</u>			r (x	
	(a)	Cuttle fish			ish		
	1000	Cat fish			r fish		
73.		sed circulatory system	em is fou	nd in-	12 CONTRACTOR		
		Cockroach					
-			(d)				
74.		en circulatory syster Cockroach			nworm		
		Fishes	100 C		e of these		
75.		uch of the following				lum	?
		Coelenterata		Porif			
	(2)	Platyhelminthes	(d)	Cnid	aria		
76.		rvous system origin	ated first	in—			
		Taenia		Asca			
		Hydra			dinaria		
77.	(a) (b) (c)	nelida are advanced Matamaric segmen Closed circulation True coelom		natoda	i in havin	g—	
		All of these					
78.	Ne	phridia of Earthwor	m are ana	alogou	is to		
	(a)	Tracheae of insects Nematoblast of hyd	(D) tra (d)	Flam	e cell of T	hige	eia
70		ckroach, Housefly a					
10.		y have	ind moog	unto ta	re moccio	ocat	use
		chitinous exoskelet	on and b	ody d	livided in	to h	iead
		and cephalothorax					
	(b)	six legs, two pairs o head, thorax and al		il and '	body divi	ded	into
	(e)	segemnted body, s		and b	ody divid	led :	into
	(1)	head, thorax and al			and Frida		
	(d)	three pairs of legs,	one pair	of an			
00	New	cells	11_1		[SC	RA 2	2013]
80.		ing of cockroch is ca Ephyra	and the second se	Nym	nh		
		Maggot		Juver	A		
81		elenterates are chara	Prosent	Period Contraction and	ine .		
0.4.1		Nematoblasts	State of the local division of the local div	-,			
	(6)	Coelenteron					
		Tissue grade of org	anisation				
00		All of these	. C				
82.	a second second	ter vascular system . Porifera	No. Contraction of the second s	n— Molla	1600		
		Echinodermata			enterata		
83.		emocoel is found in-					
	1.3		17 3	~ 1	and the second sec		

(a) Arthrolpoda (c) Porifera

- (b) Coelenterata(d) Annelida

84. Insects have-(a) Three pair of legs (b) Four pair of legs (c) Five pair of legs (d) None of these 85. Dengue is transmitted by-(a) Culey (b) Male anophels (e) Aedes (d) Female anophels 86. Connecting link between Annelida and Arthropoda-(a) Peripatus (b) Hydra (c) Earthworm (d) Sylon 87. A structure common to both earthworm and cockroach (a) Ommalidia (b) Tracheae (c) Dorsal tubular nerve cord (d) Ventral nerve cord Jointed appendages are characteristic of phyllum— (a) Annelida (b) Echinodomata (c) Mollusca (d) Arthropoda 89. Young of a cockroach is called-(a) Ephyra (b) Nymph (c) Maggot (d) Juvenila 90. The largest animal is-(a) Whale (b) Stone fish (c) Marlin (d) Hilsa 91. Fishes die out of water because-(a) They get more oxygen (b) Temparature of body increased (c) They can not respire (d) They can not walk in water [39th BPSC (Pre) 1994] 92. Why fishes die more during summar than winter seasones ? (a) Due to lack of food (b) Duetoincreased concentration of non-toxic substance (c) Due to reduction of O (d) Due to spread out of disease 93. Amphibians are the animals who-(a) Live in water (b) Only live on land (c) They live both on land and water (d) None of these [38th BPSC 1992] 94. Only male frog produce croacking sound because-(a) Female frog have no layrny (b) Female frog have layrnx but no vocal cord (c) Male frog have three pair of vocal cord (d) Male frog can magnify their voice with the help of sound box 95. Larva of frog is called-(a) Pupa (b) Maggote (c) Catter piller (d) Tadpole 96. How many chamber is found in the heart of frog-(a) 2 (b) 3 (c) 4 (d) 5 97. Which of the following are cold blooded animal ? (a) Fish (b) Frog (c) Wall lizard (d) All [RRB Mahendru Ghat ASM/CG 2000] 98. The bones of birds are-(a) Strong and solid (b) Soft and solid (e) Pneumatic and light (d) Calcarous and heavy 99. Animal goes under winter sleep due to low temperature is called-

(a) Mutation (b) Regeneration (c) Hibernation (d) Aestivation 100. The animal association seen in a sucker fish attached to a shark is : (a) Commensalism (b) Parasitism (c) Neutralism (d) Mutualism [SSC (LDC) 2013] 101. Tear gland is not found in-(a) Man (b) Dog (c) Ox (d) Crocodile 102. The main excretory organ of insects are : (a) Kidnevs (b) Nephridia (c) Malpighian tubules (d) Fat bodies [MTS 2014] 103. Cartilagenous fish differ from bony fish in having-(a) Uncovered gills (b) Heterocercal tail (c) Ventral mouth and nares (d) All of these 104. Penguin is found only in-(a) Asia (b) Africa (e) Antarctica (d) America [UPPC5 (Pre) 1999] 105. Sound producing organ in bird is-(a) Larynx (b) Syrinx (c) Pygostyle (d) Synsacrum 106.Birds in modern poultry farms are reared so as to : (a) reduce cannibalism (b) prevent egg damage (c) avoid infighting of birds (d) get rid of Wildlife Protection Act [MTS 2014] 107.Cobra emits venom through : (c) Lower jaw(d) None (a) Fangs (b) Tooth [MTS 2014] 108. Which of the following is cold blooded animal-(a) Rabbit (b) Pigeon (e) Shark (d) Kangaroo 109. Poison gland found in snake is the modification of-(a) Liver (b) Pitutary gland (e) Salivary gland (d) All 110. The most poisonous snake is-(a) Rattle snake (b) Python (e) Krait (d) Tree snake 111. Which of the following is not a poisonous snake-(a) Viper (b) King cobra (c) Python (d) Sea snake 112. The snake who make their nest-(a) Chain viper (b) King cobra (c) Krait (d) Shaw scaled viper [LAS (Pro) 1995] 113. Dinosaurs are-(a) Fossils of bird (b) Extinct reptile (c) Unicellular animal (d) Gymnospermic plant 114. Dinosaurs was-(a) Cenozoic reptile (b) Mesozoic birds (c) Paleozoic amphibia (d) Mesozoic reptile [UPPCS (Pre) 2004]

115. Animal who became extinct recently-

- (a) Draco (c) Teradectyly
- (b) Dinosaurs (d) Mamtha

[38th BPSC 1992]

530

Objective General Knowledge

Biology

116. Poisonous lizard is—	
(a) Chameleon	(b) Astrodon
(c) Heloderma	(d) Varanus
117. Flaying lizard is—	
(a) Draco	(b) Gak
(c) Heloderma	(d) Ophiosarus
118. Which of the following an	
(a) Monkey	(b) Mongooes
(c) Tiger	(d) Loin
19. Among the following ani	
three pair of legs—	mais choose the one naving
(a) Spider	(b) Scorpion
(c) Bug	(d) Mite [CDS 2014]
20.Middle ear is not found i	
through—	in slake. They receive sound
(a) Tongue (b) Mouth	(e) Skin (d) Leg
21. The person who is known	
	(b) Dr J. C Bose
	a (d) Dr M.S Swaminathan
22. The largest living bird is-	
(a) Kiwi (b) Penguir	
23.Smallest bird is—	(u) Egai
(a) Kiwi	(b) Huming hind
(c) Ostrich	(b) Huming bird(d) Penguin
24. Which of the following typ- food ?	
(a) Canine (b) Incisor	
	[MTS 2014]
25.Flightless bird found in Ne	wzeland
(a) Ostrich (b) Alwaytra	as (e) Kiwi (d) Pengeum
In the second state of the	[40th BPSC (Pre) 1995]
(a) Ancient bird of Jurrasi	c period
(a) Ancient bird of Jurrasi (b) Reptile of jurrasic peri	c period
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic period (c) Reptile of Triasic period 	c period od d
(b) Reptile of jurrasic period	c period od d asic period both
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Triasic 	c period od d ssic period both <i>[40th BPSC (Pre) 1995]</i>
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i 	c period od d ssic period both <i>[40th BPSC (Pre) 1995]</i> <u>s</u> —
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Triasic 	c period od d ssic period both <i>[40th BPSC (Pre) 1995]</i> <u>s</u> — (e) Ostrich(d)Amu
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 	c period od d asic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i>
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which have	c period od d asic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> re teeth in their <u>beak.</u>
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx 	c period od d asic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> re teeth in their beak. (b) Dodo
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 	c period od d ssic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> re teeth in their beak. (b) Dodo (d) Penguin
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect	c period od d asic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> re teeth in their beak. (b) Dodo (d) Penguin cting link between—
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal 	c period od d asic period both <i>[40th BPSC (Pre) 1995]</i> <u>s</u> — (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> re teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and Bird 	c period od d ssic period both <i>[40th BPSC (Pre) 1995]</i> s— (c) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> te teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and Bird 30. Pavo cristatus is the zoological 	c period od d ssic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> e teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of—
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and Bird 30. Pavo cristatus is the zoolog (a) Tiger 	c period od d asic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> te teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of— (b) Frog
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and Bird 30. Pavo cristatus is the zoological 	c period od d ssic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> e teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of—
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and Bird 30. Pavo cristatus is the zoolog (a) Tiger 	c period od d asic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> re teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of— (b) Frog (d) Peacock
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and Bird 30. Pavo cristatus is the zoolog (a) Tiger (c) Man 31. Which one of following bin 	c period od d asic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> re teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of— (b) Frog (d) Peacock <i>[RRB Mumbai 2003]</i> rd had teeth?
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and Bird 30. Pavo cristatus is the zoolog (a) Tiger (c) Man 31. Which one of following bir (a) Ostrich 	c period od d asic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> re teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of— (b) Frog (d) Peacock <i>[RRB Mumbai 2003]</i> rd had teeth? (b) Archaeopteryx
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and Bird 30. Pavo cristatus is the zoolog (a) Tiger (c) Man 31. Which one of following bir (a) Ostrich (c) Penguin 	c period od d asic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> re teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of— (b) Frog (d) Peacock <i>[RRB Mumbai 2003]</i> rd had teeth? (b) Archaeopteryx (d) Parrot
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and Bird 30. Pavo cristatus is the zoolog (a) Tiger (c) Man 31. Which one of following bir (a) Ostrich (c) Penguin 	c period od d asic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> re teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of— (b) Frog (d) Peacock <i>[RRB Mumbai 2003]</i> rd had teeth? (b) Archaeopteryx (d) Parrot
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and mammal (c) Reptile and Bird 30. Pavo cristatus is the zoolog (a) Tiger (c) Man 31. Which one of following bir (a) Ostrich (c) Penguin 32. Which of the following anin (pregnancy) period ? 	c period od d ssic period both <i>[40th BPSC (Pre) 1995]</i> s— (e) Ostrich(d)Amu <i>[SSC Mat. 2001]</i> re teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of— (b) Frog (d) Peacock <i>[RRB Mumbai 2003]</i> rd had teeth? (b) Archaeopteryx (d) Parrot mals has the longest gestation
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and Bird 30. Pavo cristatus is the zoolog (a) Tiger (c) Man 31. Which one of following bir (a) Ostrich (c) Penguin 32. Which of the following anin 	c period od d ssic period both [40th BPSC (Pre) 1995] s— (e) Ostrich(d)Amu [SSC Mat. 2001] te teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of— (b) Frog (d) Peacock [RRB Mumbai 2003] td had teeth? (b) Archaeopteryx (d) Parrot mals has the longest gestation s(c) camels (d) giraffes
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and Bird 30. Pavo cristatus is the zoolog (a) Tiger (c) Man 31. Which one of following bir (a) Ostrich (c) Penguin 32. Which of the following anin (pregnancy) period ? (a) dolphins (b) elephant 	c period od d ssic period both [40th BPSC (Pre) 1995] s— (e) Ostrich(d)Amu [SSC Mat. 2001] te teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of— (b) Frog (d) Peacock [RRB Mumbai 2003] td had teeth? (b) Archaeopteryx (d) Parrot mals has the longest gestation s(c) camels (d) giraffes
 (a) Ancient bird of Jurrasi (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Reptile and Bird 30. Pavo cristatus is the zoolog (a) Tiger (c) Man 31. Which one of following bir (a) Ostrich (c) Penguin 32. Which of the following anin (pregnancy) period ? (a) dolphins (b) elephants 33. All chordates possess— 	od d asic period both [40th BPSC (Pre) 1995] s— (e) Ostrich(d)Amu [SSC Mat. 2001] e teeth in their beak. (b) Dodo (d) Penguin (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of— (b) Frog (d) Peacock [RRB Mumbai 2003] d had teeth? (b) Archaeopteryx (d) Parrot mals has the longest gestation
 (b) Reptile of jurrasic perio (c) Reptile of Triasic perio (d) Reptile Triasic and Tria 27. The largest flightless bird i (a) Penguin (b) Kiwi 28. The extinct bird which hav (a) Archaeopteryx (c) Kiwi 29. Archaeopteryx us a connect (a) Reptile and mammal (c) Keptile and Bird 30. Pavo cristatus is the zoolog (a) Tiger (c) Man 31. Which one of following bir (a) Ostrich (c) Penguin 32. Which of the following anin (pregnancy) period ? 	c period od d ssic period both [40th BPSC (Pre) 1995] s— (e) Ostrich(d)Amu [SSC Mat. 2001] re teeth in their beak. (b) Dodo (d) Penguin cting link between— (b) Birds and mammal (d) Amphibian and reptile gical name of— (b) Frog (d) Peacock [RRB Mumbai 2003] rd had teeth? (b) Archaeopteryx (d) Parrot mals has the longest gestation s(c) camels (d) giraffes

(c) Skull (d) Notochord 134. A common feature of all vertebrated is-(a) Skull (b) Division of body into head, neck, trunk and tail (c) Two pair of functional appendages (d) Exoskeleton 135. Which of the following is characteristics feature of mammal-(a) Mammary gland (b) Sweat gland (c) Four chambred heart (d) All of these 136.Dolphine is the example of class-(a) Amphibia (b) Aves (c) Mammal (d) Pices [RRB 2005] 137. Which of the following is not a mammal-(a) Fishes (b) Bat (c) Whale (d) Man [RRB 2003] 138. Dolphins are classified under-(a) Pices (b) Amphibian (c) Reptile (d) Mammal [40th BPSC (Pre) 1995] 139. Whale is grouped under mammal because-(a) They have lung, four chambered heart and vertebral column (b) They have mammary gland, placenta and hair (c) They have gill and placenta (d) They have four chambered heart and lung 140. The largest mammal is -(a) Elephant (b) Camel (c) Blue whale (d) Man 141.National animal of India-(a) Cow (b) Peacock (e) Tiger (d) Loin [39th BPSC 1994] 142. Number of chamber found in the heart of Mammal-(a) 2 (b) 3 (e) 4 (d) 1 143. Homo-sapien is the scientific name of-(a) Lamaur (b) Modern Man (c) Loris (d) None of these 144.Number of chamber found in the heart of whale-(a) 2 (b) 3 (e) 4 (d) 1 [RRB Calcutta TC 2003] 145.Enucleated RBC is found in-(a) Reptile (b) Bird (c) Amphibia(d) Mammal 146 Eyes of cat shines during night due to-(a) Special kind of lens (b) Tapitum lucidum (c) Effect of gene (d) Reason is not known 147.Bat can fly during night because they produced-(a) Ultrasonic wave (b) Sound wave (c) Ultra violet wave (d) Infra red wave 148. In which phylum of animals does respiration take place by gills, called ctenidia? (a) Echinodermata (b) Chordata (c) Arthropoda (d) Mollusca [SSC Ste. 2013] 149. In mammal embryo get from mother during pregnency-(a) CO₂, Mineral salt and glucose (b) Mineral salt, urea and glucose

531

(e) Mineral salt, glucose and oxygen

	ich of the following m		
	Rat		Kangaroo
	Platypus		Frog
	ich of the following is		
	Shark		Snake
	Bat		Lizard [SSC Mat 2002]
	ammal who have large		
	Deer	10.00	Horse
	Camel		Whale
* Manufacture	Advantation and a second and as second and a	self in	to ball at the time of
	nger-	ar	TT 1 1
	Male		Hedgehog Loris
	Opossum	10000	
	ne of mammal contain		
	Uric acid Urea		Ammonia All
-(+)	Ulea abilitati	(u)	[RRB Bhopal TC 2009]
APP Des	tilization in Georgia		[KKD bhopai IC 2009]
	tilization in frog is— External	- (b)	Internal
	Both external and int		Internal
	None of these	emai	
(4)		and Poli	ce Wireless Operater 2009]
156 Ho	ney bee and wasp gro		-
	Insecta	NAME AND ADDRESS OF TAXABLE PARTY.	Crustacea
	Diplopoda		Arachina
~-/	- <u>r</u> - <u>r</u>		RRB Allahabad ASM 2009]
157 Gra	ass hopper is a—	14	durinning during 2007
	Bird	(b)	Disease
	Chemical		Insects [MP Jaillor 2009]
158 Ma	mmal who have c	apicity	to distinguished the
		apicity	to distinguished the
col	our—	apicity	to distinguished the
col (a)	our Man & Dog		to distinguished the
-col (a) . (b)	our—		to distinguished the
(a) (b) (e)	our Man & Dog Man, Dog and Monk	æy	
(a) (b) (b) (d)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey	æy	[Haryana Teachers 2009]
-col (a) (b) -(e) (d) 159. A (Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se	creted 1	
(a) (b) (c) (d) 159. A c ani	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se	creted 1 membe	<i>[Haryana Teachers 2009]</i> by particular species of
(a) (b) (c) (d) 159. A (ani (a)	Dur— Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another	creted l membe (b)	<i>[Haryana Teachers 2009]</i> by particular species of er of same species is— Nucleic acid
col. (a) (b) (c) (d) 159. A (anii (a) (e)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone	creted l membe (b)	<i>[Haryana Teachers 2009]</i> by particular species of er of same species is— Nucleic acid
col. (a) (b) (c) (d) 159. A (anii (a) (c) 160. Dir	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones	creted l membe (b) (d)	<i>[Haryana Teachers 2009]</i> by particular species of er of same species is— Nucleic acid Steroid <i>[SSC 2008]</i>
col. (a) (b) (c) (d) 159. A (anii (a) (c) 160. Dir (a)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was—	creted 1 membe (b) (d) ne extine	<i>[Haryana Teachers 2009]</i> by particular species of er of same species is— Nucleic acid Steroid <i>[SSC 2008]</i>
col. (a) (b) (c) (d) 159. A (anii (a) (c) 160. Dir (a) (b) (c)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who becam Large harbivorus ani Oviparous mammal	creted 1 membe (b) (d) ne extina	<i>[Haryana Teachers 2009]</i> by particular species of er of same species is— Nucleic acid Steroid <i>[SSC 2008]</i> ct
cold (a) (b) (c) (d) 159. A (anii (a) (c) (b) (c) (c) (d)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones Osaurs was— Mammal who becam Large harbivorus ani Oviparous mammal Reptile who became	creted l membe (b) (d) ne extina imal extinct	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct
cole (a) (b) (c) (d) 159. A (ani (a) (c) (b) (c) (d) 160. Dir (a) (b) (c) (d)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who becam Large harbivorus ani Oviparous mammal Reptile who became ostance found in blood	creted l membe (b) (d) ne extina imal extinct l which	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting—
col. (a) (b) (e) (d) 159. A (ani (a) (c) (c) (c) (d) 160. Dir (a) (b) (c) (d) 161. Sul (a)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who becam Large harbivorus ani Oviparous mammal Reptile who became ostance found in blood Fibrinogen	creted l membe (b) (d) ne extina imal extinct 1 which (b)	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting— Heparin
col. (a) (b) (c) (d) 159. A ((a) (a) (c) (c) (c) (c)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who became Oviparous mammal Reptile who became ostance found in blood Fibrinogen Thrombin	creted l membe (b) (d) ne extina imal extinct 1 which (b)	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting—
col. (a) (b) (c) (d) 159. A ((a) (a) (c) (c) (c) (c)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who becam Large harbivorus ani Oviparous mammal Reptile who became ostance found in blood Fibrinogen	creted l membe (b) (d) ne extina imal extinct 1 which (b)	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting— Heparin
col. (a) (b) (c) (d) 159. A (c) (a) (c) 160. Din (a) (b) (c) (c) (d) 161. Sul (a) (c) 162. <u>Ma</u> (a)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who became Oviparous mammal Reptile who became ostance found in blood Fibrinogen Thrombin math is ancestor of— Dog	creted l membe (b) (d) ne extind imal extinct 1 which (b) (d)	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting— Heparin Globine Horse
col. (a) (b) (c) (d) 159. A (c) (a) (c) 160. Din (a) (b) (c) (c) (d) 161. Sul (a) (c) 162. <u>Ma</u> (a)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who became Coviparous mammal Reptile who became ostance found in blood Fibrinogen Thrombin math is ancestor of—	creted l membe (b) (d) ne extind imal extinct 1 which (b) (d)	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting— Heparin Globine Horse Elephant
col. (a) (b) (c) (d) 159. A (c) (a) (c) 160. Din (a) (b) (c) (c) (d) 161. Sul (a) (c) 162. <u>Ma</u> (a)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who became Oviparous mammal Reptile who became ostance found in blood Fibrinogen Thrombin math is ancestor of— Dog	creted l membe (b) (d) ne extind imal extinct 1 which (b) (d)	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting— Heparin Globine Horse Elephant
col. (a) (b) (c) (d) 159. A (anii (a) (c) 160. Dir (a) (c) 161. <u>Sul</u> (c) 162. <u>Ma</u> (a) (c) 162. <u>Ma</u> (a) (c) 163. <u>Phy</u>	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who became Dosaurs was— Mammal who became costance harbivorus and Oviparous mammal Reptile who became ostance found in blood Fibrinogen Thrombin math is ancestor of— Dog Camel	creted l membe (b) (d) ne extind imal extinct 1 which (b) (d) (d) (d)	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting— Heparin Globine Horse Elephant [RAS/RTS (Pre) 2008]
col. (a) (b) (c) (d) 159. A (anii (a) (c) 160. Dir (a) (c) 161. Sul (c) 161. Sul (c) 162. Ma (a) (c) 163. Phu (a)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who became Oviparous mammal Reptile who became ostance found in blood Fibrinogen Thrombin math is ancestor of— Dog Camel eromones is found in- Insect	creted 1 membe (b) (d) ne extind imal extinct 1 which (b) (d) (d) (c) (c)	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting— Heparin Globine Horse Elephant [RAS/RTS (Pre) 2008] Snake
col. (a) (b) (c) (d) 159. A (anii (a) (c) 160. Dir (a) (c) 161. Sul (c) 161. Sul (c) 162. Ma (a) (c) 163. Phu (a)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who became Dosaurs was— Mammal who became costance harbivorus and Oviparous mammal Reptile who became ostance found in blood Fibrinogen Thrombin math is ancestor of— Dog Camel	creted 1 membe (b) (d) ne extind imal extinct 1 which (b) (d) (d) (c) (c)	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting— Heparin Globine Horse Elephant [RAS/RTS (Pre) 2008] Snake
col. (a) (b) (c) (d) 159. A ((a) (a) (c) 160. Din (a) (c) 161. Sul (c) 161. Sul (c) 162. Ma (a) (c) 163. Pho (c) (c)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who became Oviparous mammal Reptile who became ostance found in blood Fibrinogen Thrombin math is ancestor of— Dog Camel eromones is found in- Insect Birds	creted l membe (b) (d) ne extinct imal extinct 1 which (b) (d) (d) (ct)	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting— Heparin Globine Horse Elephant [RAS/RTS (Pre) 2008] Snake Bat[RAS/RTS (Pre) 2008]
col. (a) (b) (c) (d) 159. A (anii (a) (c) 160. Dir (a) (c) 161. Sul (c) 161. Sul (c) 162. Ma (a) (c) 163. Phy (c) 163. Phy (c) 164. WH ma	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who became ostaurs was— Mammal who became ostance harbivorus and Oviparous mammal Reptile who became ostance found in blood Fibrinogen Thrombin math is ancestor of— Dog Camel eromones is found in- Insect Birds hich of the following n?	creted l membe (b) (d) ne extinct imal extinct 1 which (b) (d) (d) (d) (d) (ct) (d) primate	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting— Heparin Globine Horse Elephant [RAS/RTS (Pre) 2008] Snake Bat[RAS/RTS (Pre) 2008] es is nearest to modern
col. (a) (b) (c) (d) 159. A (anii (a) (c) 160. Din (a) (c) 160. Din (a) (c) 161. Sull (a) (c) 162. Ma (a) (c) 163. Phu (a) (c) 163. Phu (a) (c) 164. Wh (a) (c)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who becam Dosaurs was— Mammal who becam costance found in blood Fibrinogen Thrombin math is ancestor of— Dog Camel eromones is found in- Insect Birds tich of the following n? Gorilla	creted l membe (b) (d) me extinct imal extinct 1 which (b) (d) (d) (d) (d) (cf) (d) primate (b)	[Haryana Teachers 2009] by particular species of rr of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting— Heparin Globine Horse Elephant [RAS/RTS (Pre) 2008] Snake Bat[RAS/RTS (Pre) 2008] es is nearest to modern Cubon
col. (a) (b) (c) (d) 159. A (anii (a) (c) 160. Din (a) (c) 160. Din (a) (c) 161. Sull (a) (c) 162. Ma (a) (c) 163. Phu (a) (c) 163. Phu (a) (c) 164. Wh (a) (c)	Man & Dog Man, Dog and Monk All Mammal Man & Monkey chemical substance se mal to attract another Harmone Pheromones tosaurs was— Mammal who became ostaurs was— Mammal who became ostance harbivorus and Oviparous mammal Reptile who became ostance found in blood Fibrinogen Thrombin math is ancestor of— Dog Camel eromones is found in- Insect Birds hich of the following n?	creted l membe (b) (d) me extinct imal extinct 1 which (b) (d) (d) (d) (d) (cf) (d) primate (b)	[Haryana Teachers 2009] by particular species of er of same species is— Nucleic acid Steroid [SSC 2008] ct [SSC JL 2008] help in cloting— Heparin Globine Horse Elephant [RAS/RTS (Pre) 2008] Snake Bat[RAS/RTS (Pre) 2008] es is nearest to modern

165, Largest Indian fish is—	
(a) Stone fish	-(b) Whale sharp
(c) Hilsa	(d) None of these
	[UPPSC (Pre) 2008]
166. Which of the following is	
(a) Bed bug	-(b) Spider
(c) House fly	(d) Mosquito
n and menophysical diver-	[IAS (Pre) 2009]
167.Generally insects respire t	
(a) -Skin	(b) Gill
(c) Lung	(d) Spiricle [IAS (Pre) 2007]
168.Among the following, whi produce young ones direct	ich one lays eggs and does not tly ?
-(a) Echidna	(b) Kangaroo
(c) Porcupine	(d) Whale [LAS (Pre) 2008]
169. Among the following, wh	
(a) Gibbon	(b) Gorilla
(c)- Langur	(d) Orangutan
107 Langui	[IAS (Pre) 2008]
170 In the context of Indian w	
170. In the context of Indian w	and the second se
(a) Bat	(b) Kite
(c) Stork	(d) Vulture [IAS (Pre) 2008]
171. For which one of the follow	
composed of their snakes	
(a) Krait	(b) Russel's viper
(c) Rattle snake	(d) King cobra
	[LAS (Pre) 2008]
172.In which one of the follow	wing kind of organisms is the
phenomenon found when	e in the female kills the male
after copulation—	
(a) Drgonfly	(b) Honey bee
(e) Spider	(d) Pit viper [IAS (Pre) 2008]
	dugong which is vulnerable to
(a) Amphibian	(b) Bony fish
(c) Shark	(d) Mammal
(c) onark	[IAS (Pre) 2009]
and The subsect of the base	
helps in controlling the m	
(a) Crab	(b) Dogfish
(e) Gambusia fish	(d) Snail <i>[LAS (Pre) 2008]</i>
175.Which one of following l Panda belong—	pelong to the family in which
(a) Bear	(b) Cat
(c) Dog	(d) Rabbit [LAS (Pre) 2009]
176. Which of the following is	
(a) Wolf	(b) Walrus
(c) Seal	(d) Deer [IAS (Pre) 2002]
the second se	
177. Which one of the followin (a) All echinoderms are v	viviparous
(b) Roundworm has no c	
	bladder is usually present
(d) In cartilaginous fishes	s, fertilization is internal <i>[IAS Pre 2002]</i>
178, Ticks and mites are actual	ly—
(a) Arachnids	(b) Crustaceans
(c) Insects	(d) Myriapods
179. Consider the following st	
	uch as pangolins are not found

- in India
- 2. Gibbon is the only ape found in India

											25					35					
	in India											C.	Se	ea – ŀ	norse	e la l		3	3.	Osteid	hth
	Gibbon i											D.	To	ortois	se					Reptil	
	nich of the	staten	nents					e cor	rect	?		C	odes	5: A		B		C		D	
	1 only					only!						(a)		1		2		3		4	
(c)	Both 1 an	nd 2			(d) I	Veith						(b))	2		1		4		3	
								IAS (1		2003]		(c))	1		2		4		3	
	sertion (A					luces						(d)	2		1		3		4	
Re	ason (R)					ogai		ns re	prod	uce	1	85.Cr	oco	diles	stor	e fat	in—				
(2)	Both A an					hods.		1.000	lana			(a)) H	ead				(b)	Stoma	ich
det)	of A.	nu Kar	enue	anu	IX IS U	neco	rrec	texp	lana	uon		-(c)	Ta	nil				(d)	Arteri	es
(b)	Both Aa	ndRis	truel	out R	isno	taco	rroc	toyn	lanai	tion	1	86.W	hick	n one	amo	ng th	e fol	lowir	ngi	blind	(E)
(~)	of A	ind it ib	u ac i	Juch	10 I C	i a co	iicc	renp	iana	uon			esig								
(c)	A is true	but R	is fal	se								(a)	r Ba	at				(b)	Echid	na
	A is false						- 1	IAS (1	m)-2	0051		(c)	Fl	ying	squi	rrel		(d)	Slow J	hori
	nsider the				nent		1.	a 10 (1	10/2	ous	1	87.In	whi	chor	neof	thefo	llow	inga	nim	als, is	skir
1.	Tape wo												gan					0			
2.	Round-					VPS								oakro	bach			+	6)	Frog	
	Filaria is											(c)	Sp	bark						Whale	2
4.											1		1.000		oft	he fo	llow		econe -	ies ou	
Wł	uich of the						10				-	hu	ima	nbei	nosi	milar	toth	eone	Tazh	ichma	lini
	1 and 2				Ъ) 1	, 2 ar	nd 3													nsects	
	3 and 4					, 3 ar) L1	and a second second	coci	crouc		and the second state of the local division o	Manager Street, or other	Kidne	
						a sector		IAS (I	Pre) 2	001]				eart						Repro	
182.Wh	nich one	of f	ollow	ving	gro	up_q	of	anim	als	are										repro	ciuc
	mates ?			.0	U	1					1	eo W	hick	amo	and t	hofo	llow	ingio	the	large	-
(a)	Giraffes	and Ze	bra	(b) k	Canga	iroo	an K	Coala	s	1	20	ima	Thin	ador	nin in	1000	uig is	ule	mber (st p
(c)	Lemurs a	and ho	rses			Rabbi						(a)		nnali	guui	nmi	espe			Platyh	
183. Lo	baster is -	_												norda						Arthro	
(a)	An arach	nnoid		4	b) /	Crus	stace	ean				(0)	-	ioru	unu	anis lu		4	a)	Alun	pp
(c)	An Insec	:t				A myr					-	00 147	la : "I.		- 6 17	C 1					
184.Ma	tch List-I	(Name	of th						Clas	s in	T.	90. VV	Tucr	tone	01 10	ne fol	10W1	ng st	atei	nents	is n
	animal ki											(a)		the	anın	al or	pin	yllun	i po	orifera	, ca
	codes giv									0		art	M	erep	ioui	action		toret	sex	cual by	V DU
	List-I			1	list-I	Ĭ						10)				orm			apc	ossesa.	nar
	(Name o	f the ar	nimal			s in tl	he a	nima	ıl			(c)							alid	a occi	:
						lom)						(c)				and		ann	ena	a occi	
А.	Himalay	an Sala	man	der 1	l. A	mph	nibia					(d)						phyli	ım	echir	ode
В.	Indian sh	narp		2	2. 0	Chone	driet	hyes				(,	/	une	uu	mano	01	Pityti	um	ccim	ioue
(The second										Ans	wer	a 1900									
1.	(a) 2. (a) a	. (b)	А	(4)	E	(A)	6					. (1-)	R	15	10	1.13	4.4		4.5	
14.			(c)		(c) (a)		(d) (b)		(b) (c)		(a) (c)		(b)		(c)		(d)	11.			2012
27.			(d)		(c)		(a)		(b)		(t) (b)		(b) (b)		(c) (a)		(b) (c)		(c)		(d
40.			. (b)		(c)		(d)		(b) (a)		(b) (a)		(a)		(a) (b)			37.			(b
53.			. (c)		(b)		(a)		(b)		(a) (b)		(d)		(d)		(b) (a)	63.	(c)	1. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	(d
66.			. (c)		(d)		(c)		(b)		(b)	73.			(a)		(c)	76.		64. 77.	(d (d
79.			. (d)		(c)		(a)		(a)		(c)	86.		87.	THE REAL PROPERTY.		(d)	89.			(a
92.			. (a)		(d)		(b)				(c)			100.	10.000	101.		102.			(d
105.	(b) 106. (108.		109.	(c)	110.				112.	(b)	113.	(b)	114.		115.			(c)
118.				121.				123.		124.	(c)	125.	(c)	126.	(a)	127.		128.			(c)
131.				134.				136.				138.				140.	(c)	141.			(c
144.			the second	147.				149.				151.				153.	(b)	154.			(a
157.				160.								164.				166.		167.			(a
Contract Contraction	(a) 171. (173.								177.		178.	(a)	179.	(b)	180.	(a)	181.	(d
183.	(b) 184. (a) 185	. (c)	186.	(a)	187.	(b)	188.	(6)	189.	(d)	190.	(6)							al and	

12. Human Physiology–I

1. Male sex harmone is— (a) Adrenalen

(c) Testosterone

- (b) Progestron
- (d) FSH

2.	Which of the following	ng is a female sex harmone ?
	(a) Estrogen	(b) Androgen

(c) Auxin

(d) Insulin [SSC Grad 2000]

(c) 155. (a) 156. (a) (d) 168. (a) 169. (c) (a) 181. (d) 182. (c)

3. Osteichthyes

unicellular oganisms reproduce isexual methods.	18		and the second second second	diles ead	stor	e fat	in—		b) (± Stoma	ch		
ue and R is the correct explanation		1000	Ta						10000	Arteri			
e but R is not a correct explanation	186. Which one among the following is blind (Extremely p eyesight)									<u>y po</u> o			
alse		14 A	Ba					(b)]	Echidi	na		
rue [IAS (Pre) 2005]		(c)	Fl	ying	squ	irrel				Slow I		IND:	4 2008
statements—	18	7.In	whi	chor	neof	the fo	llow			als, is s			
naphrodite			gan			-				7	Y	(Carrol	11
separate sexes		10000		bakro	bach					Frog			
y a nematode				park						Whale		and the second second	A 2008
n annelid	18	8.W]	hich	n one	of	the fo	llow	ving c	arri	ies ou	t the	funct	tion in
ct?		hu	mai	nbei	ngsi	milar	toth	eone	wh	ichma	lpig	hiant	ubule
(b) 1, 2 and 3					cocl	kroac	h an			nsects		1115	
(d) 2, 3 and 4				ing						Kidne			
[IAS (Pre) 2001]		(c)	H	eart				(d) 1	Repro	ducti		~
wing group of animals are		-	10000			at the second	840		-				A 2007
(b) Kangaroo an Koalas	18	9.W	hich	amo	ongt	he fo	llow	ing is	the	larges	st ph	yllum	in the
(d) Rabbits and Hares		an	ima	l kin	gdoi	m in 1	resp	ect of	nur	nber c	of spe	ecies ?	,
(a) habbits and fiales				nnali		1.5.1	(Eb)			Platyh			
(b) A crustacean		(c)	CI	norda	ata			t	et) 1	Arthro	pod		
(d) A myriapod							64						1 2006
the animal) with List-II (Class in	19									nents			
nd select the correct answer using		(a)								rifera,			onges
:		an	M	e rep	roat	action	1 15 0	only a	sex	ual by	buc	iding	
List-II		(0)	of	lime	tof	orm	oral	e	a po	ssesal	nard	exosk	eletor
al) (Class in the animal		(c)							hile	a occu	ir in	moie	t soil
kingdom)		(0)				and		curre	-1141	a occi	ar m	mon	St SOII
nder 1. Amphibia		(d)						phyli	ım	echin	oder	mata	body
2. Chondriethyes								E 7	116		ourer		oody
Ans	wers												
) 4. (c) 5. (d) 6. (b) 7.	(a)	8.	(b)	9.	(c)	10.	(d)	11.	(b)	12.	(a)	13.	(a)
	(c)			22.			(b)		(c)		(d)	26	(a)
	(b)		(b)				(c)		(a)		(b)	39.	(d)
	(a)	47.	(a)	48.	(b)	49.	(6)	50.	(c)	51.	(d)	52.	(d)
	(b)		(d)		(d)		(a)		(a)		(d)	65.	(d)
	(b)		(c)		(a)		(c)	76.		77.	(d)	78.	(d)
	(c)		(a)	87.			(d)		(b)	CALMENT CALLER	(a)	91.	(c)
	(c)	99. 112.		100.		101. 114.		102.		そうとない。そうとも	(d)	104.	(c)
c) 121. (a) 122. (c) 123. (b) 124.						114.		115. 128.		116. 129.	(c) (c)	117.	(a) (d)
1) 134. (a) 135. (d) 136. (c) 137.	(a)	138.	(d)	139.	(b)	140.	(c) (c)				CARLOSARIAN	130.	(a) (b)
b) 147, (a) 148, (d) 149, (c) 150											1 AN	150	

Objective General Knowledge

551	Objective Gene
3. Estrogen is secreted l	ov—
(a) Corpus luteum	(b) Corpus callosm
(c) Lyding cells	(d) Gaffican follicle
4. Which of the follow	ring harmone is called emergency
harmone ?	0
(a) Insulin	-(b) Adrenalin
(c) Estrogen	(d) Oxytocin
	[UPPCS (Pre) 2001]
5. Which of the following	ng control blood pressure ?
(a) Parathyroid	(b) Thyroid
(c) Thymous	-(d) Adrenal [SSC Mat 2001]
6. Life saving harmone	
(a) Adrenal	(b) Pituitary
(c) Thyroid	(d) All of them [RRB 2005]
	following glands is present in pairs
in human body?	(1 X T)
(a) Adrenal	(b) Liver
(c) Pancreas	(d) Pineal <i>[SCRA 2012]</i>
8. Insulin is a kind of-	
(a) Salt	(b) Harmone
(c) Enzyme	(d) Vitamin [UPPCS 1993]
9. Consider the following	ng minerals :
1. Calcium 2.	Iron -3. Sodium
Which of the minera	ls given ab <u>ove is/are required</u> by
human body for the	contraction of muscles ?
(a) 1 only	(b) 2 and 3 only
(c) 1 and 3 only	(d) 1, 2 and 3 [IAS 2013]
10. Which of the followir	
(a) α-cell	(b) δ-cell
(a) β -cell	
ter p-cen	(d) Nerve cell [SSC Mat 2002]
11 Which of the follow	
secretion of insulin.	ving gland is responsible for the
(a) Pituitary	(h) Dincel
(c) Thymus	(b) Pineal
(c) mymus	(d) Pancrease [RRB Ranchi 2005]
12 The filtration with of 1	and a second s
12. The filtration unit of I	The T-SE Association of the second seco
(a) neuron	(b) yellow fiber
(c) axon	(d) nephron[SSC LDC 2013]
13. Isletes of langerhans i	
(a) Spleen (b) Bra	ain (c) Pancreas (d) Liver
14. Corpus luteum is a m	ass of cells found in—
(a) Brain (b) Ov	ary (c) Pancreas (d) Spleen
	[LAS (Pre) 1997]
15. Harmone insulin is a-	
(a) Glycolipid	(b) Fatty acid
(e) Peptide	(d) Sterol
	e following enzymes is unique in
the alimentary canal	of cattle?
(a) Cellulase	
(c) Pectinase	(b) Amylase
	(d) Driselase [SCRA 2012]
17. Strongest muscle of m	
	nger (c) Jaw (d) Leg
18. Which of the follow	ing organ have its own wave of
autonomic excitation.	
(a) Heart (b) Kic	iney (c) Liver (d) Intestine
	due to deposition of a acid in their
muscles is—	

ar Knowledge	
(a) Latic Acid	(b) Ureic acid
(c) Citric acid	(d) Pyruvic acid
20. Cornea is an important pa	urt of—
(a) Ear (b) Nose	(c) Kidney (d) Eye
21. Part of eye used during ey	ve donation is—
(a) Retina	(b) Cornea
(c) Eye hens	(d) Complet eye
22. Amount of light entering i	
(a) Cornea	(b) Choroid
(c) Retina	fet) Iris
23. Image of object is formed	
(a) Cornea	(b) Choroid
(c) Retina	(d) Iris
24. In the retina of eye	cells present for colour
differentiation—	at a man day of the faith of the
	(b) Rods
(c) Cornea	(d) Choroid
25. Function of Iris is—	e la contra a contra de la contra
	(b) Protection of eye lens
(e) To regulate the size of	pupil
(d) To make the image in	
26. <u>Colour of skin depend on-</u>	
(a) Enzyme (c) Epidermis	(b) Harmones
	(d) Melanin
27. <u>Thickest layer of skin is for</u> (a) Sole	
(c) Thigh	(b) Palm
	(d) Head
28. Largest organ of human be	ody is—
(a) Brain	(b) Heart
(c) Skin	(d) Liver
20 Upper most laure of the	[RRB Kolkata ASM/GG 2005]
29. Upper most layer of skin is (a) Epidermis	
(c) Dermis	(b) Protodermis(d) None of these
30. The hardest part of human bo (a) Bone	(b) Palaque
(d) Done	
	(d) Skull [SSC Mat 2002]
31. Which one of following regeneration—	organ nave the capicity of
(a) Spleen (b) Kidney	(c) Brain (d) Liver
32. During the process of resp	
exchange of gases takes pla	ace in
(a) bronchi	-(b) alveoli
(c) bronchiole	(d) pleura [SCRA 2012]
33. In an accident, a person's bi	
be could not regulate bo	dy temperature, hunger and
water balance Which one	among the following parts of
his brain was affected ?	tantong the following parts of
(a) Cerebellum	(b) Medulla oblongata
(e) Hypothalamus	(d) Corpus callosum
Xe) =) Formaning	(C) Corpus curiosunt [SCRA 2013]
34. Tear of man have a enzyme	
(a) Amylase	(b) Urease
(e) Lysozyme	(d) Ptylin
35. Weight of an animal body.	
(a) Water (b) Blood	(c) Bone (d) Tissue
	the second se
<u>The number of essential an</u>	nino acid found in man-

36. The number of essential amino acid found in man—(a) 15(b) 20(c) 30(d) 40

y

27	M.	oglobine	Cont	hin the	motel			Biolog
37.		Copper		am the i		Silver		5
		Gold				Iron		
					()		h BPSC (Pre) 2005	51
38.	No	rmal tem	perat	ure of h	uman			a .
	(a)	40.5°C	(b)	36.9°C	(c)	98.4°C	(d) 82·4°C	
							tt. PCS (Pre) 2005	57
39.	Blo	od bank	of hu	man boo	dv is—		(110) 100c	a
	(a)	Spleen				Pancre	ase	
	(c)	Gall bla	dder			None		
						[R	RB Culcutta 2009	7
40.		e is stored						
		Mouth				Liver		-5
	(c)	Gall bla	dder		(d)	Stoma		-
						[RRE	Bhopal TC 2009]
1.	We	igh of hu	man l	orain in	gram i	ş—		
	(a)	1350	(b)	1230	(c)	1100	(d) 1300	
		tin i f					B Allahabad 2009	
.2.			perati	are of h	uman l	oody on	the kelvin scale	e
-	is-		(1.)	202	1.2			
	(a)	280	(b)	290	(c)	300	(d) 310	
	76.1						[LAS (Pre) 1995	1
3,	wil	ie radius	of blo	od vess	els dec	rease th	e blood pressu	r
		Increase	(1)	Deeres		D .		
	(d)	Increase	in m	Decrea	se (c)	Remain	n same Jale <i>[SSC 2008</i>	5
						e in rem	ale [55C 2008	1
k.	INU	mber of s 10 pair	spinal	nerve is		10 .		
		15 pair				12 pair		
	(c)	15 pan				None c		
=	Mai	in functio		1-1-1		Gorekhj	our CC/TC 2008	/
3.		To cover			1S			
		To provi			ofbod			
	(c)	Formatio	on of]	RBC		All of t	hese	
							pur CC/TC 2008	7
y.,	In v	whole boo	iv ma	ss the p				5
	(a)	8%	(6)	9%		10%	(d) 11%	
					(0)		B Allhabad 2009	1
	By I	EEG we c	an ob	serve th	e activ			
	(a)	Heart	(b)		(e)		(d) Muscles	5
			-	0	200		SSC CPO SI 2004	
	Nu	mber of v	valve	found in	1 huma			
	(a)	4	(b)		(c)		(d) 1	
					[RF	B Gorek	hapur ESM 2009]	1
	Alp	ha-Kerati	in is a	protein			have the	
	(a)	Blood	(b)	Ŝkin			(d) Egg	
						2 1	[IAS (Pre) 1997]	
E	Mat	ch the ho	ormor	ie in Lis	t I wit	h List II	and select the	
	corr	ect answ	er usi	ng code	s giver	below-	_	
	1	List-I		0	List			56
		Adrenali			1.	Anger,	fear, danger	
	B.	Estrogen					ng partners	
	-					through	sense of smell	
		Insulin			3.	Females	3	
		Pheromo	nes			Glucose		
		approximate the second			1			
	Cod		B	C	Ľ			
	Cod (a)	3_	1	4	2			
	Cod (a) (b)	3 - 1	1 3	4 2	2 4			
,	Cod (a)	3_	1	4	2		[IAS Pre 1999]	

5							555
51.	M	tch List I -	with r	int The	in d	alact	de a la l
01.	110	ng the code		ast II a	na s	elect	the correct answer
	usi		give	n below			
		List-I				st-II	- mith sea
	A.	Atropine			1.	1.1.1	al anesthesia
	В.	Ether			2.		rt beat
		Nitroglyce	erine		3.	Dila	tion of pupil
	D.	Pyrethrin			4.		squito control
	Co	des: A	В	С		D	1
	(a)	1	3	2		4	
	(b)	1	3	4		2	
	(c)	3	1	4		2	de origina relation.
	-(d)	3	1	2		4	ILAC D 10001
-2							[IAS Pre 1999]
These	IVIA	ICH LIST I (Endo	rine gi	and) with	List II (Hormone
-	sec	reted) and s	select	the ans	wer-		
		List-I				t-II	
		Gonads			1.	Insu	lin
	Β.	Pituitary	12		2.	Prog	gesterone
	C.	Pancreas			3.		wth Hormone
	D.	Adrenal			4.		isone
	Co	des: A	В	С			and A. dreetter (45)
	(a)	3	2	4		1	
	(b)	2	3				
	(0)		3	1			
	(d)	3	2				
				1	ALC: NO	4	[IAS Pre 2000]
53.	Wit	hreference	to the	human	bod	y, cons	sider the following
	stat	ements-					
	1.	The produ	iction	of som	nato	ropin	goes up when a
		person exe	rcises				
	2.	Men's teste	es pro	duce pi	:02e	steron	ie.
	3.	Women's a	drena	l gland	S SPI	rete t	estosterone.
	4.	Stress caus	esthe	adrenal	ls to	release	e very less amount
		of cortisol	than	icital	1310	leieas	e very less amount
	Wh	ich of these					2
				nems a			
		1, 2, 3 and	4			1, 2 a	
		2, 3 and 4			(et)	1 and	14 [IAS (Pre) 2002]
4.	The	vitamin v	which	is wa	ter	solub	le and generally
	exc	reted in urin	ne is	5 11050		1	
	(a)	vitamin A			(b) ·	vitam	in C
	(c)	vitamin D				vitami	
5			to no				
J.	foll	wing state	mont	inai n	uma	in dei	ings, consider the
		owing state					TIC
	1.	ni respons	e to	the pro	esen	ce of	HCl, secretin is
	-	produced f	rom t	he duod	lenu	ım.	
	2.	Enterogast	rone is	s produ	ced	in the	small intestine in
		response to	the p	resence	e of I	atty a	cid.
	Whi	ich of these	stater	nents is	are/are	e corre	ect?
		Only 1				Only	
	(e)	Both 1 and	2		(d)	Neit	her 1 and 2
			2		(04)		
~			A 11 .1				
6.	ASS6	ertion (A) :	All th	e protei	ins 1	n our	food are digested
		nall intestin					
	Reas	son(R): The	prote	ein dige	sting	genzy	me from pancreas
	are	released inte	o sma	ll intest	ine.		
	(a)	Both A and	Rare	true ar	nd R	is cor	rect explanation
		of A.	1			10700	a constantion
			Raret	ruebut	Rier	otace	orrectexplanation
	and the	of A.				oraci	meetexplanation
			+ D ++	false			
		A is true bu					
	ter)	A is false bu	IT K 1S	true.			[IAS (Pre) 2005]

- 57. Which one of the following is not an enzyme?
 - (a) Ptyalin (b) Pepsin
 - (c) Trypsin (d) Oxytocin [NDA 2005]
- 58. Assertion (A) : The person with diabetes insipidus feel thirsty.

Reason (R) : A person with diabetes insipidus suffers from excess secretion of vasopressin.

- (a) Both A and R is true and R is the correct explanation of A.
- (b) Both A and R is true but R is not correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.
- 59. Assertion (A) : Drinking of whiskey increases the frequency of urination.

Reason (R) : Alcohal intake speed up the secretion of vasopressin in the body.

- (a) Both A and R is true and R is the correct explanation of A.
- (b) Both A and R is true but R is not correct explanatioin of A.
- (c) A is true but R is false.
- (d) A is false but R is true.
- 60. In human body, which one of following harmones regulate blood calcium and phosphate?
 - (a) Glucagon (b) Growth harmone
 - (c) Parathyroid harmone (d) Thyroxine
 - [IAS (Pre) 2007]
- 61. Which one of the following is a rich source of energy ? (a) Protein (b) Hipid
 - -(c) Carbohydrate (d) Vitamin
- 62. In human body, what is the number of cervical vertebrae?
 - (a) 5 (b) 7 (c) 8 (d) 12 ICDS 2008]
- 63. Which one of the following is considered as the easily digestable source of protein ?
 - (a) Egg albumin (b) Soyabean
 - (c) Fish flesh (d) Red meat [CDS 2008]
- 64. In the human body, cowper's glands form a part of which one of following?
 - (a) Digestive system (b) Endocrine system
 - (c) Reproductive system (d) Nervous system
 - [CDS 2008]
- 65. Athletes with higher proportion of red fibers in their muscles are better equipped for which of the following? (a) Swimming (b) Sprint
 - (c) Short activities (d) Shot put [CDS 2007]
- 66. Consider the following-
 - 1. Cartilage 2. Blood 3. Neurous
 - Which of the above is/are connective tissues ?
 - $(a) \cdot 1$ only -(b) 1&2 (c) 2 and 3
 - (d) 1, 2 and 3 [NDA 2005]
- 67. Consider the following-Enzyme and protein can be correlated with each other in
 - following ways-1. All proteins are enzyme
 - 2. All enzymes are protein
 - 3. All enzymes are not protein
 - All protein are not enzyme 4.

- Which of the above are correct? (a) 1 and 3 only -(b) 2 and 4 only (c) 1, 2 and 3 (d) 2, 3 and 4 [CDS 2007] recognition of which of the following compound in the sweat from feet? (b) Uric acid (d) Salt [CDS 2007] (c) Sugar 69. Cylindrical lens is used by a person suffering from-(a) Astigmatism (b) Myopia (c) Hypermetropia (d) Presbyopia [CDS Exam 2006] 70. Which one of the following organs of the human body break down the old red blood cells and store iron from them ? (a) Kidney (b) Gall bladder (d) Spleen (c) Pancreas 71. Which part of the alimentary canal in human beings receives the secretions of liver and pancrease through a common duct? (a) Stomach (b) Duodenum (c) Junction of Jejunum and gleum (d) Gleurm
- 72. The short upper part of human intestine next to the stomach is called-
 - (a) Caecum (b) Duodenu
- (c) Ileum (d) Jejunum
- 73. Consider the following statements-
 - The nervous tissues in human body contain 1. phosphrous.
 - In neture, sulphur always occurs in combined state 2. which of the statement given above is/are correct?
 - (a) 1 only (b) 2 only
 - (c) Both 1 and 2 (d) Neither 1 nor 2
- 74. With reference to a normal human being which one of the following statements is not correct?
 - (a) Human saliva is slightly alkaline
 - (b) An adult human may secrete 1 to 1.5 liters of sliva per day
 - Sliva is secreted by six pairs of salivary gland in (c) human beings
 - (d) The salivary enzyme (ptyalin) breaks down cooked starch into maltose
- 75. Consider the following statements-
 - 1. Heart is three chambered in fishes
 - -2: Heart is four chambered in birds
 - All animal of class amphibia are characterised by two 3. pairs of limbs
 - 4. All reptiles respire by lungs only
 - Which of these statements are correct— (a) 1, 2, 3 and 4 (b) 1 and 3 (c) 2 and 4 (d) 2, 3 and 4
- 76. Which one of following statements is not correct?
 - (a) Theinsulin produced in the human body is chemically a steroid compound.
 - (b) Person who have had organ transplant are treated with steroid to suppress immune system.
 - (c) Some yeasts are able to grow on straight chain hydrocarbon.
 - (d) Proteases are often used in manufacture of detergents.

- 68. The tracking of people by trained dogs is based on the
 - (a) Carboxylic acids

77. A surge of which harmone stimulates ovulation in human	86. The image formed on the ratina of a human eye is—
females ?	(a) Virtual and inverted (b) Virtual and erect
(a) Luteinizing harmone (b) Estrogen	(c) Real and erect (d) Real and inverted.
(c) Follicle stimulating harmone	[NDA 2004]
(d) Progesterone [NDA 2007]	87. When we eat something we like, our mouth waters, This
78. Which one of the following enzyme is found in human	is actually not water but fluid secreted from-
saliva?	(a) Masal gland (b) Oval epithelium
(a) Pepsin (b) Ptyalin	(c) Salivary gland (d) Tongue [CST 2011]
(c) Renin (d) Erepsin [NDA 2006]	88. White blood cells act—
79. Which one of following pair is not correctly matched ?	(a) As a defence against infection
(a) Loop of Henele—Kidney	(b) As source of energy
(b) Fallopian tube—Female reproductive system	(c) For clotting of blood
(c) Epididymis—Male reproductive system	(d) As a medium for oxygen transport from lung to
-(d) Cowpers gland—Intestine [NDA 2006]	tissue
80. Blood is a/an-	89. Human stomach plroduces acid 'X' which helps in
(a) Connective tissue (b) Epithelial tissue	digestion of food. Acid 'X' is :
(c) Both of the above (d) None of above	(a) Acetic acid (b) Methanoic acid
[JPSC 2011]	(e) Hydrochloric acid (d) Citric acid [NDA 2011]
81. Consider the following types of cells—	90. Which one among the following statements about
1. Easinophil 2. Lymphocytes	stomach is not correct ?
3. Monocytes 4. Neutrophils	(a) Stomach act as a temporary reservoir
Which of the above are white blood corpuscles	(b) Stomach mixes food with gastric juice
(a) 1 and 2 (b) 1, 2 and 4	(c) Stomach secretes liplase and amylase in gastric
(c) 3 and 4 (d) 1, 2, 3 and 4 [NDA 2005]	juice
82. Consider the following statements—	(d) Rate of stomach emptying depends on the type of
1. In birds, heart is four chambered	food. [NDA 2011]
2. In reptiles, respiration is done through skin	I- were morely
3. Earth worm are harmaphrodites.	91. Which one of the following organs breaks fat to produce cholesterol ?
Which of the statements given all see is (
Which of the statements given above is / are correct? (a) $1 \& 2$ (b) $1 \& 3$	(a) Intestine (b) Liver
	(c) Lungs (d) Kidneys [NDA(I) 2011]
	92. Anindividual whose blood type is Bmay in an emergencey
83. Match List I (Enzyme of digestive juice) with List II (Food	donate blood to a person whose blood type is-
acted upon) and select the correct answer using the codes	(a) B or A (b) AB or A
given below the lists—	(c) A or O (d) AB or B [NDA 2011]
List-I List-II	93. Which one among the following statements regarding
(Enzyme of digestive juice) (Food acted upon)	cell is not correct.?
A. Amylase 1. Casein of milk	(a) Shape an size of cells are related to specific
B. Lipase 2. Fat	function
C. Rennin 3. Starch	(b) Some cell have changing shapes
Codes : A B C	(c) Each cell has its own capacity to perform
(a) $3 \ 2 \ 1$	(d) Same type of cells are present in all body tissues
(b) $2 3 1$	[NDA 2011]
(c) $1 \ 2 \ 3$	94. Insuline was discovered by—
(d) 3 1 2 [NDA 2004]	(a) F. Banting (b) Edward Jenner
84. Consider the following—	(c) Ronald Ross (d) Ferederick Sanger
A. Blood -2. Bone	[55C 2011]
3. Ligaments 4. Tendons	95. Which of the following is a good source of Vitamin 'E' ?
Which of these are connective tissue	(a) Meat (b) Ghee
(a) 1, 2, 3 and 4 (b) 1 and 2	
(c) 1, 3 and 4 (d) 3 and 4 [NDA 2004]	(c) Yellow Yolk (d) Fresh vegetable [SSC 2011]
85. With reference to a normal human being which one of	
the following statement is not correct ?	96. Bile is secreted by —
(a) Compared with skeletal muscles, the tissues of	(a) Gall bladder (b) Liver
intestine are much more affected by the shortage of	(c) Bile duct (d) Pancrease
oxygen.	97. The largest organ of human body is—
(b) In the arterial blood, haemoglobin is normally 97%	(a) Heart (b) Brain
saturated with oxygen.	(c) Liver (d) Kidney [SSC 2011]
(c) Pulmonary artery contains deoxygenated blood.	98. Name the Vitamin not found in any animal food :
(d) About 70% of the carbon dioxide entering the	(a) Vitamin B ₁₂ (b) Vitamin C
erythrocytes react with the water to form carbonic	(c) Vitamin D ¹² (d) Vitamin K [SSC 2011]
acid	

(d) About 70% of the carbon dioxide entering the erythrocytes react with the water to form carbonic acid. [NDA 2004]

¥

.

538	Objective Gene	ral Knowledge
		104. Harmone insulin is a—
100. Which part became modifi (a) Canine (c) Second incisor	(b) Premolar (d) Mular [SSC 2011]	(a) Glycolipid (b) Fatty acid (c) Peptide (d) Sterol [JPSC 2011]
101. Which is the largest living	-	105. In which organ of the human body are the lymphocytes
(a) Emu (e) Albatross	(b) Ostrich (d) Siberian Crane	cells formed ? (a) Liver (b) Long bone
102. Which among the following		(c) Pancrease (d) Spleen [JPSC 2011]
in the body ?		106. A person feeds on rice and vegetable made up of potato
(a) Thyroid (c) Adrenal	(b) Parathyroid (d) Pitutary [SSC 2011]	only. He is likely to suffer from deficiency of : (a) Carbohydrate and vitamins
103.Blood does not coagulate		(b) Proteins
presence of :	(b) Hamarin	(c) Carbohydrate and proteins(d) Proteins and fats [CDS-II 2013]
(a) Haemoglobin(c) Fibrin	(b) Heparin (d) Plasma [CDS-II 2013]	and the spectra plant - latentic - and a second second
		wers and
1. (c) 2. (a) 3. (d)		(a) 8, (b) 9, (b) 10, (c) 11, (d) 12, (d) 13, (c)
14. (b) 15. (c) 16. (a)		(d) 21. (b) 22. (d) 23. (c) 24. (a) 25. (c) 26. (d)
27. (a) 28 (c) 29. (a)	30. (c) 31. (d) 32. (b) 33.	
40. (c) 41. (a) 42. (d) 53. (d) 54. (b) 55. (c)	43. (a) 44. (d) 45. (b) 46. 56. (d) 57. (d) 58. (c) 59.	
66. (b) 67. (b) 68. (a)	69. (a) 70. (d) 71. (b) 72.	(b) 73. (d) 74. (b) 75. (c) 76. (a) 77. (a) 78. (b)
79. (d) 80. (a) 81. (d) 92. (d) 93. (d) 94. (d)		(a) 86. (d) 87. (c) 88. (a) 89. (c) 90. (c) 91. () (b) 99. (d) 100. (c) 101. (b) 102. (a) 103. (b) 104. (c)
92. (d) 93. (d) 94. (d) 105. (b) 106. (b)	95. (u) 96. (a) 97. (c) 96.	
	_13. Human P	hysiology–II
1. Total number of bone found i		12. Longest bone found in which part of human body ?
(a) 212 (b) 206	(c) 202 (d) 200	(a) Vertebral column (b) Thigh
	[SSC Mat 1999]	(c) Rib cage (d) Arm
2. Total Number of bone fou (a) 200 (b) 206	(d) 300 (d) 306	 <u>The element found in bone and teeth</u> (a) Potassium and calcium
3. Number of bone found in		(b) Calcium and Magnesium
(a) 8 (b) 30	(c) 32 (d) 34 [39th BPSC (Pre) 1994]	(c) Calcium and phosphorus (d) Phosphorus and sulpher
4. Pair of ribs found in man-		14. Bone of man became weak in old age to—
(a) 12 (b) 10	(c) 14 (d) 11 [MPPSC (Pre) 1995]	 (a) Deficiency of iodine (b) Deficiency of Iron (c) Deficiency of calcium (d) Deficiency of cobalt
5. Strongest bone of body is	found in—	15. Bones join with muscles with the help of—
(a) Thigh (b) Jaw	(c) Shoulder (d) Neck [SSC Mat 2002]	(a) Ligament(b) Tendon(c) Cartilage(d) Small muscles
6. Smallest bone of human l		16. Which of the following salt is found in bone in largest
(a) Nails(c) Bone of nose	(b) Fibula (d) Stapes	amount— (a) Calcium phosphate (b) Sodium chloride
	some is not found in human	(c) Ferric nitrate (d) Magnesium carbonate
leg—	an annual an annual annual an annual annual an an annual an	17. How many teeth in man comes out twice—
	us (c) Femer (d) Fibula	(a) 4 (b) 12 (c) 20 (d) 28 [$39th BPSC Pre/1994$]
 Longest bone found in ma (a) Stapes 	ين (b) Fibula	18. Most of the digestion occur in which part of alimentory
(c) Tibia	(d) Femur	canal of man—
9. The bone Humerus is fou		(a) Pancreas(b) Small intestine(c) Large intestine(d) Stomach
(a) Thigh	(b) Upper arm (d) Leg	[UPPCS Pre/1991, RRB Kolkata ASM/GG 2005]
(c) Fore arm10. Bone found in leg of man		19. Digestion started in man from—
(a) Porus	(b) Hollow	(a) Rectum (b) Stomach (c) Mouth(d) Intestine
(c) Solid	(d) None of these [39th BPSC Pre 1994]	20. Length of alimentary canal of man is apporximately— (a) 16 feet (b) 18 feet (c) 22 feet (d) 32 feet
11. The bone tibia is found in		21. Digestion of starch in mouth takes place by—
(a) Skull (b) Leg	(c) Arm (d) Mouth	(a) Amylase (b) Ptyline
	[55C CPOSI 2003]	(c) Pepsin (d) Lipase

C

22. Which of the following is not the part of digestive	37. Bile is stored in-
system ? (a) Liver (b) Gall bladder	(a) Gall bladder (b) Duedenum (c) Liver (d) Spleen <i>ISSC/Mat</i> 2002
(c) Cornea (d) Intestine	(c) Liver (d) Spleen [SSC/Mat 2002] 38. Main function of Bile—
23. Enzymes are essential for body because—	(a) To convert fat into fatty acid and glycerol
(a) They provide energy	(b) To convert fatty acid into fat and glycerol
(b) They control nervous system	(c) Emulsification of fat
(c) These are the structural part of body	(d) All of them
(d) These are the catylist of biochamical activity	39. Pace maker is related with
24. The enzyme which take part in digestion of milk	(a) Kidney (b) Brain
(a) Pepsin (b) Trypsin	(c) Lung (d) Heart
(a) Pepsin (b) Trypsin (c) Renine (d) Eripsin	[RRB Ranchi ASM/GG 2004]
25. Maximum nutritive element aborbed by blood from	40. Function of pace maker is—
which part of alimentary canal-	(a) To regulate the formation of urine(b) To regulate the process of digestion
(a) Large intestine (b) Mouth	(e) To initiate heart beat
(c) Small intestine (d) Stomach	(d) To start the process of respiration [55C/Mat 1999]
[RRB Bhuneshwar CC 2006]	41. Blood pressure is the pressure exerted on the wall of—
26. The enzyme found in sliva—	(a) Heart (b) Vein (c) Artery (d) Cell
(a) Renine (b) Ptylin (c) Tenin (d) Resin	[55C/Mat 2002]
[RRB Culcutta TC 2003]	42. During sleep blood pressure-
27. Which of the following is nucessary for digestion of	(a) Increase (b) Decrease
	(c) First decrease and then increase
(a) Air (b) Water (c) Enzyme (d) Mineral	(d) Remain same
[RRB Mumbai/Bhopal CC 2003] 28. Saliva secreted from mouth diegest—	 Instrument used to measured blood pressure—
(a) Protein (b) Starch (c) Fat (d) Vitamin	(a) E.C.G (b) Stetheoscope
(d) Vitalini [SSC Mat 2002]	(e) Sphagmo manometer (d) Arm band
29. Which of the following acid is found in the stomach of	44. Jervic-7 is—
man?	(a) Electronic leg (b) Kidney
(a) Sulphuric acid (b) Hydrochloric acid	.(c) Heart (d) Lung
(c) Nitric acid (d) Picric acid	45. The sound lub-dub lub-dub is produced by—
[RRB Bangalor ASM/ CG 2004; SSC Mat 2002]	(a) Liver (b) Kidney (c) Heart (d) Lung
30. Digestion of protein is started from—	46. To complete one heart beat the time taken is—
(a) Liver (b) Stomach	(a) 1 sec (b) 1 minute (c) 1.5 sec (d) 0.8 second
(c) Small intestine (d) Large intestine	
31. Enzyme secreted by stomach digest the food but stomach	47. In a healthy person rate of heart beat in one minute is—
is not digested by this digestive juice because-	(a) 58 times (b) 67 times
(a) Wall of stomach is lined with mucus (b) This is made up of hard cells	(c) 72 times (d) 90 times [SSC/Mat 2002]
(c) It is made up of steel	48. Number of chamber found in human heart—
(d) None of these	(a) 2 (b) 3 (c) 4 (d) 5
32. Which of following destroy the toxic substance found in	49. Puls rate we get from—
digested food ?	(a) Vein (b) Artery (c) Skin (d) Nerve
(a) Stomach (b) Pancreas (c) Kidney (d) Liver	50. Systolic and diastolic pressure in a healthy man-
33. Pepsin is a-	(a) 120 mm and 80 mm (b) 201 mm and 110 mm
(a) Harmone (b) Enzyme (c) Vitamin (d) Mineral	(c) 90 mm and 60 mm (d) 85 mm and 55 mm
34. After digestion protein is converted into-	[Uttrakhand PCS/Pre 2005]
(a) Fat (b) Glucose	51. Blood pressure of man during running—
(c) Amino acid (d) Glucose [SSC/Mat 2002]	(a) Increase (b) Decrease (c) Remain same
35. In which of the following organ carbohydrate is stored	(d) Increase and decrease both
as glycogen—	52. Function of heart in human body—
(a) Intestine (b) Stomach	(a) Work like pumping machines
(c) Liver (d) Pancrease	(b) To relase energy
[SSC/Mat 2002]	(c) To increase temperature(d) None of these
(a) Liver (b) Stomach	
(a) Liver (b) Stomach (c) Pancrease (d) Dudeneum	53. Longest artery found in the body of human— (a) Venacava (b) Arota
(c) Functionse (d) Dudenteum [SSC/Mat 2002]	(a) Venacava (b) Arota (c) Capillaries (d) Ventricle
I MARE AUDIA	(L) VCIUICIC

5	54. Amount of blood found in	
	(a) 10% of total body wei	ght
	(b) 25% of total body wei	gh installation
	-(c) 7% of total body weig	ht
	(d) 9% of total body weig	
5	55. Volume of blood found in	
9	(a) 2.4 liter (b) 4.5 liter	(c) 5 to 6 liter (d) 6-7 liter
5	56. pH value of human blood	
	(a) 8.1 (b) 8.4	-(e) 7.4 (d) 9.2
5	57. Blood bank of human bod	ly is—
	(a) Spleen (b) Lung	
5	58. Percentage of water found	
	(a) 60 to 64%	(b) 70 to 75%
		(d) 91 to 92%
	(c) 00 00 02/0	[SSC Mat 1999]
5	59. Purification of blood take	
	(a) Lung (b) Heart	(c) Kidney (d) Liver
		[RRB Bhopal TC/CC 2005]
6	60. Artificial purification of b	lood is called—
	(a) Dylisis	(b) Hemolysis
	(c) Osmosis	(d) Pyralysis
	the second states	[44th BPSC /Pre 2001]
6	61. Red colour of blood is du	
0		
	(a) Plasma	(b) Haemoglobin (d) WBC [VPPCS/Pre 1990]
6	62. Metal present in haemog	lobin—
	(a) Copper (b) Iron	(c) Magnese (d) Zinc
6	63. Function of haemoglobin	is—
	(a) To transport oxygen	 (a) Electronic leg
	(b) Destruction of bacteri	a state the state of the
	(c) To check the loss of b	
	(d) None of these	[RRB Gorakhpur ASM/GG 2005]
6		
C	 64. Haemoglobin is an impo (a) RBC 	(b) WBC
	(c) Platletes	
	(c) Platietes	(d) Cytoplasm
		[SSC Mat 2002]
6		ented by chemical when it flow
	through artery and vein i	
	(a) Heparin	(b) Plastin
	(c) Thrombin	(d) Prothrombin
(66. Coagulation of blood do	not occur inside human body
	due to presence of—	
	(a) Haemoglobin	(b) Heparin
	(c) Fibrinogen	(d) None of these
	(t) Holmogen	[RRB Kolkata ASM/CG 2005]
		and the second
(ISO KTOWN AS-
	67. Red blood corpuscles is a	
	(a) Erythrocytes	(b) Leucocytes
	(a) Erythrocytes(c) Thrombocytes	(b) Leucocytes(d) Esinophils
((a) Erythrocytes(c) Thrombocytes68. Antibodies produced in t	(b) Leucocytes(d) Esinophilshe plasma of blood by—
((a) Erythrocytes(c) Thrombocytes68. Antibodies produced in t	(b) Leucocytes(d) Esinophils
((a) Erythrocytes(c) Thrombocytes68. Antibodies produced in t(a) Monocytes	(b) Leucocytes(d) Esinophilshe plasma of blood by—
	 (a) Erythrocytes (c) Thrombocytes 68. Antibodies produced in t (a) Monocytes (c) Eosinophils 	 (b) Leucocytes (d) Esinophils he plasma of blood by— (b) Lymphocytes (d) Neutrophils
	 (a) Erythrocytes (c) Thrombocytes 68. Antibodies produced in t (a) Monocytes (c) Eosinophils 69. Red blood corpuscles is p 	 (b) Leucocytes (d) Esinophils he plasma of blood by— (b) Lymphocytes (d) Neutrophils produced into —
	 (a) Erythrocytes (c) Thrombocytes 68. Antibodies produced in t (a) Monocytes (c) Eosinophils 69. Red blood corpuscles is p (a) Spleen 	 (b) Leucocytes (d) Esinophils he plasma of blood by— (b) Lymphocytes (d) Neutrophils produced into — (b) Kidney
	 (a) Erythrocytes (c) Thrombocytes 68. Antibodies produced in t (a) Monocytes (c) Eosinophils 69. Red blood corpuscles is p (a) Spleen (c) Liver 	 (b) Leucocytes (d) Esinophils he plasma of blood by— (b) Lymphocytes (d) Neutrophils produced into — (b) Kidney (d) Bone marrow
	 (a) Erythrocytes (c) Thrombocytes 68. Antibodies produced in t (a) Monocytes (c) Eosinophils 69. Red blood corpuscles is p (a) Spleen (c) Liver 	 (b) Leucocytes (d) Esinophils he plasma of blood by— (b) Lymphocytes (d) Neutrophils produced into — (b) Kidney (d) Bone marrow Kolkata / Bhuvneshwar TC 2003
	 (a) Erythrocytes (c) Thrombocytes 68. Antibodies produced in t (a) Monocytes (c) Eosinophils 69. Red blood corpuscles is p (a) Spleen (c) Liver /RRB 70. Graveyard of red blood corpuscles 	 (b) Leucocytes (d) Esinophils he plasma of blood by— (b) Lymphocytes (d) Neutrophils produced into — (b) Kidney (d) Bone marrow <i>Kolkata / Bhuvneshwar TC 2003</i> ells is —
	 (a) Erythrocytes (c) Thrombocytes 68. Antibodies produced in t (a) Monocytes (c) Eosinophils 69. Red blood corpuscles is p (a) Spleen (c) Liver 70. Graveyard of red blood corpuscles is p (a) Heart 	 (b) Leucocytes (d) Esinophils he plasma of blood by— (b) Lymphocytes (d) Neutrophils produced into — (b) Kidney (d) Bone marrow <i>Kolkata / Bhuvneshwar TC 2003</i> ells is — (b) Bone marrow
	 (a) Erythrocytes (c) Thrombocytes 68. Antibodies produced in t (a) Monocytes (c) Eosinophils 69. Red blood corpuscles is p (a) Spleen (c) Liver /RRB 70. Graveyard of red blood corpuscles 	 (b) Leucocytes (d) Esinophils he plasma of blood by— (b) Lymphocytes (d) Neutrophils produced into — (b) Kidney (d) Bone marrow <i>Kolkata / Bhuvneshwar TC 2003</i> ells is —

540

71. Main function of white bloc	od corpuscles is -
(a) Transport of CO ₂	
(c) To produce immune sy	stem of body
(d) None of these	[UPPCS (Pre) 1993]
72. Life of red blood cells in the	
(a) 60 days	(b) 120 days
(c) 365 days	
73. Number of which type of human —	(4) These are the cateria
	(b) Basiophils
(c) Lymphocytes	(d) Neutrophils
74. At high altitue RBC of hum	an blood will —
(a) Increase in number	
	(d) Increase in size
	[RRB Mumbai 2005]
75. When a forgein body inter i	into blood circulatory system
the reaction is started by -	-
(a) RBC	(b) WBC
(c) Platletes	(d) Cytoplasm
(c) manetes	[SSC Mat 2001]
76. Invention of blood group is	
(a) Landsteiner	(b) Levine
(c) Weniear	(d) Landsteiner & Weiner
(c) Wernear	[SSC 2013]
a solid A (b) some solid take the	
77. Blood group which have n	
(a) A (b) B	(e) AB (d) O
78. Blood group which have be (a) A (b) B	oth antiodies — (c) AB (d) O
79. Blood group which have n	o antigen —
(a) A (b) B	(c) AB (d) O
 80. Antigen is a substance whi (a) Lower body temperatu (b) Destroys harmful bacto (c) Triggers the immune s (d) Is used as an antidote 	ires eria ystem
81. Main function of antibodie	s is against —
(a) Unfavarouble environ	
(b) During deficiency of n	
-(c) During infection	
(d) None of these	
	(c) It is route up to she
82. Rh factor is discovered by	
(a) Landsteiner	(b) Weiner
(e) Landsteiner and Weine	
83. Rh factor is related with —	
(a) Bear	(b) Monkey
(c) Man	(d) Cat
84. Which one of following according to Rh factor —	pair is not fit for marriage
(a) Rh ⁺ male and Rh ⁻ fem	ale
(b) Rh ⁻ male and Rh ⁺ fem	
(c) Rh ⁻ male and Rh ⁻ fem	
(d) Rh ⁺ male and Rh ⁻ fem	
85. A man whose blood grou	
and the second se	needs blood transfusion
	f the blood group mentioned
	le in the hospital will be safe
for transfusion —	THEN I FRE
(a) O, Rh	(b) O, Rh^+

 (a) O, Rh^- (b) O

 (c) AB, Rh^- (d) A

(d) AB, Rh+[IAS (Pre) 1997]

100.00

10 M

86. A person with 'AB' blood group is sametimes called a	99. Blood transfusion is not possible from—
universal recipient because of the —	(a) AB to O (b) O to AB
(a) Lack of antigen in his blood	(c) O to B (d) O to A
(b) Lack of antibodies in his blood	100 <u>.Blood leaving</u> lung is rich in —
(c) Lack of both antigen and antibodies in his blood	(a) Oxygen (b) Carbondioxide
(d) Presence of antibodies in his blood [IAS (Pre) 1995]	(c) Haemoglobin (d) Number of RBC
87. With reference to the blood in a normal person, which	101. What is the name of the vessel that delivers the nutrien
one of the following statements is correct? —	rich blood from the stomach and small intestine to the
(a) Compared to arteries, veins are less numerous and	liver ?
holdless of the body's blood at any given time	(a) Left hepatic artery (b) Hepatic vein
(b) Blood cells constitute about 70% of the total volume of the blood	(c) Right hepatic artery (d) Hepatic portal vein [LAS (Pre) 2006
(c) White blood cells (WBC) are made by lymphnodes	102. Which of the following chemical can be used is ant
only	_coagulent—
(d) The blood has more plateletes than WBC	(a) Sodium chloride (b) Sodium citrate
[IAS (Pre) 2002]	(c) Sodium nitrate (d) Ammonium chloride
88. In which organ of the human body are the lymphocytes cells formed —	103.Clolting of blood involves—
(a) Liver (b) Long bone	(a) Drying due to evaporation of plasma
(c) Pancreas (d) Spleen [IAS (Pre) 2004]	(b) Denaturation of albumins by thrombin
89. Glucose level in blood is commonly expressed as —	(c) Hemolysis of RBC (d) Change of fibringson to fibrin by the making
(a) mm of Hg (b) Miligarm per decilitre	(d) Change of fibrinogen to fibrin by thrombin
(c) Parts per million	104. Vitamin K is required for (a) Blood clotting (b) Respiration
(d) Garm (mg/dl) per liter	(त) Blood clotting (b) Respiration (c) Carbohydrate metabolism
90. Arteries supplying blood to the heart are called —	(d) Calcium phosphorus
(a) Carotid arteries (b) Hepatic arteries	105. How many bones are there in the human cranium ?
(c) Coronary arteries (d) Pulmonary arteries	(a) 6 (b) 8 (c) 10 (d) 12
[IAS (Pre) 1997]	106. Which one of the following parts of human brain is the
91. Which blood group is a universal recipient ?	regulating centre for swallowing and vomating?
(a) A (b) B (c) AB \cdot (d) O	(a) Cerebellum (b) Cerebrum
[RRB Mumbai/Bhopal 2003]	(c) Medulla oblangata (d) Pones [IAS (Pre) 1997.
92. Which of the following blood group is universal doner —	107. Which part of human brain is most highly developed as compared to others ?
(a) B (b) O (c) A (d) AB	(a) Medulla (b) Cerebellum
[43 th BPSC (Pre) 1999]	(c) Cerebrum (d) Optic lobes
93. If the father have blood group 'AB' and mother have blood group 'B' then blood group which is not possible	108. Which part of brain is centre of thirst hunger and sleep-
in their child ?	(a) Hypothalmus (b) Cerebellum
(a) AB (b) B (c) A (d) O	(c) Cerebrum (d) Medulla oblangata
94. If father have blood group 'A' and mother have blood	109.Centre of intelligence in human brain is—
group 'O' which one of following blood group may	(a) Cerebellum (b) Cerebrum
present in their son ?	(c) Medulla oblangata (d) None of these
(a) B (b) AB	110. Larges part of human brain is
(e) O (d) B, AB & O	(a) Cerebellum (b) Cerebrum
[IAS (Pre) 1994]	(c) Olfactory labbe (d) Mid brain
95. Person having blood group 'B can donate the blood to	[RRB Bhuvneshwar CC 2006]
person having group —	111. Cerebrum is related to—
(a) A and O (b) B and O	(a) Liver (b) Heart (c) Brain (d) Artery
(c) A and AB (d) B and AB [SSC Mat 2001]	[RRB Ahmadabad ASM/CC 2004]
	112. The cells which have least regeneration capicity —
96. Oxygen transportation in a human body takes place through — (1) Blood (2) Lung (3) Tissue	(a) Cell of brain (b) Muscular cells
(a) 1, 2, 3 (b) 3, 1, 2	(c) Cells of bone (d) Cells of liver
(a) $1, 2, 5$ (b) $5, 1, 2$ (c) $2, 1, 3$ (d) $1, 3, 2$ [IAS (Pre) 1997]	[SSC Mat 2004]
97. Anaemia is due to deficiency of —	113. The smallest structural and functional unit of nervous system—
(a) Ca (b) Fe (c) Mg (d) P	(a) Centron (b) Dendron (c) Axon (d) Neuron
98. Fully nature human RBC has	
(a) A nucleus (b) No nucleus	 114. The longest cells of human body— (a) White blood corputscles (a) White blood corputscles
(c) Nucleus may or may not be present	(b) Red blood cells
(d) None	(c) Neuron cell (d) None of these
	wy riore of theor.

115. How many pair of nerve arises from vertebral column(a) 12 pair(b) 13 Pair(c) 31 pair(d) 33 pair	130.Complete into CO ₂
116.Centre of reflex action —	(a) Aero
(a) Cerebrum (b) Cerebellum	(c) Glyc
(c) Spinal cord (d) Nerve cell	131.Percentag
[45th BPSC (Pre) 2002]	(a) 4%
(a) 10 pair (b) 12 pair (c) 24 pair (d) 36 pair	132.Volume
	breath is
118. Thermoregulatory centre in the body of homeothermal animals and man is found in—	(a) Inspi
(a) Skin (b) Drencepholon	(e) total
(c) Hypothalmus (d) Pituitary	133.Which of
	(a) Lacti
(a) Physical (b) Chemical	(c) Gluc
(c) Electrochemical (d) Biophyical	134.End prod
	(a) ĈO,
120.Indicate the proper order of steps in the nutrition process.	(c) Lacti
(a) Digestion-Assimilation-Absorption-Egestion	135.If a 17-ye
(b) Digestion-Absorption-Assimilation-Egestion	of pubert
(c) Absorption-Assimilation-Egestion-Digestion	(a) Grov
(d) Assimilation-Absorption-Digestion-Egestion	(c) Prog
[SCRA-2014]	136.Match Li
121.Acetylcholine is—	using the
(a) Toxin (b) Vitamin	List-
(c) Enzyme (d) Chemical transmitter	A. Panc
122. During the production of Yoghurt from Milk, the system	B. Pitui
is found to produce	C. Adre
(a) Citric acid (b) Lactic acid	D. Kidn
(c) Formic acid (d) Acetic acid [SCRA-2014]	Codes : .
123.Match List I with List II and select the correct answer	(a) (b)
using the code given below the Lists :	(b) (c)
List I (Cell type) List II (Most important function)	(d)
A. RBC 1. Immunity	137.'Amnioc
B. Neutrophils 2. Oxygenation	
C. Eosinophils 3. Clotting	(a) impr
D. Platelets 4. Mechanism of allergy	(b) prov
Code: A B C D	(c) detec
(a) 3 4 1 2	(d) deter
	138.Which gl
(b) 3 1 4 2	of hormo
(c) 2 1 4 3	(c) Thyr
(d) 2 4 1 3 [SCRA-2014]	
124.Mid brain contains —	139 The old a
(a) Corpora quadrigemina (b) Diencephalon	(a) Bone
(c) Cerebrum (d) None of these	(c) Liver
125.In a cell process of respiration takes place in-	and the second
(a) Mitochondria (b) Plastids	140.Pick out
(c) Ribosomes (d) Lysosomes	(a) Egg
126.Percentage of oxygen found in exhaled air is-	(b) Flesh
(a) 14% (b) 16% (c) 20% (d) 25%	(c) Fish
127.By complete oxidation of glucose number of ATP	(d) Milk
molecule formed —	141.The horn
(a) 2 (b) 28 (c) 38 (d) 48	(a) Alde
	-(c) Prog
128 .Rate of breathing in a minute by man is — (a) 16-18 (b) 20-25 (c) 12-41 (d) 70-72	142.Carbon r
	as compa
129. Food is converted into energy in which of the cellular organelles of cell —	(a) 1000
(a) Nucleus (b) Lysosome	(c) 20 tii
(c) Ribosome (d) Mitochondria	143.Onemoe
(c) mooonic (u) mitorionina	(a) 2

	nplete oxida CO, water				ence o	of oxygen	
(a)	Aerobic res	piration	(b)	Anaero		spiration [IAS 1998]	
	centage of C 4% (l	O, found	in exha	aled air -	(d)		
32 Vol	ume <u>of</u> air	inspired (or exp	ired wit			
bre	ath is knowr	as —					
	Inspiratory			Tidal v			
	total volum		1000				
(a)	ich of the fol Lactic acid Glucose & A	10.278	(b)	Pyruvie	c acid	[RRB 2003]	
	l product of		10 A. A.			[1410 2000]	
	CO, & Wate			Fumeri			
	Lactic acid		51 - 21	Pyruvia			
	17-year-old			1.0.0		e changes	
ofp	ouberty, he is	likely to	the def	icient in			
	Growth hor						
10000	Progesteror			the second second			
	tch List-I wi				corre	ct answer	
usu	ng the code § List-I (Glan			(Hormor	100		
Α.	Pancreas		Cortiso		ile)		
	Pituitary		/itamin				
C.	Adrenals				ating h	normone	
D.	Kidneys		Glucag	on	-		
	des : A	В	С	D			
(a)	4	3	1	2			
(b)	4	1	3	2			
(c) (d)	2	1 3	3	4	,	CDC 20141	
		-				CDS 2014]	
	nniocentesis				vea to		
	improve the						
	provide for				a fact		
(d)	detect hered determine t	he sex of t	he foe	tus	[SSG	C Ste. 2013]	
	ich gland in formones fro	m the piti	uitary	gland ?			
	Adrenal gla		~(b)	Hypotha	alamu	s gland	
(c)	Thymus gla	ınd	(d)	Thyroid	gland	[SSC 2013]	
39 The	old and wor	n-out red	blood	corpuscle	es are (destroyed	
in:	- Date it						
1000	Bone marro	W		Spleen		tong any al	
and the second	Liver		1.5	Stomach	all to	[SSC 2013]	
	k out the cor						
	Egg yolk						
	Fleshy food				1		
	Fish Milk	- Starch			Iccc (CGL) 2013]	
	Aldesterone			ntracept Cortisor			
	Progesteror					[SSC 2013]	
	bon monoxi						
	compared to		-	infinity IC	or mae	mogiobili	
	1000 times	anj gen	(b)	200 tim	es		
	20 times			2 times			
43.On	emoelucleof	haemoglo	bincar	ncarryat	omof	oxygen-	

No. 1 on U.S.

1

Lot to a star a lot

13. One moelucle of haemoglobin can carry atom of oxygen(a) 2(b) 4(c) 6(d) 8

144. Hypothermia occurs due body due to sudden low b	
	(b) Frogs
(e) Human beings	(d) Lizards [SSC (CGL) 2013]
145. Main nitrogenous product	
(a) Urea (c) Uric acid	(b) Ammonia
146. The largest White Blood C	(d) Ammonium nitrate
	(b) Monocyte
(c) Thrombocyte	(d) Erythrocyte [SSC 2013]
	(e) Liver (d) Spleen
148. Filtration of blood occur in	
(a) Lung(c) Uriniferous tubule	(b) Bowmen's capsule (d) Ureater
149. Yellow colour of urine is d (a) Urochrom (b) Blood	
150. Nephron is related with (a) Liver (b) Heart	(c) Kidney(d)Stomach
151. Artificial kidney work on	
(a) Osmosis	(b) Diffusion
(c) Dialysis	(d) Active transport
152. Maximum amount of urea (a) Blood (b) Heart	is found in human body— (c) Urine (d) Sweat
153. Dialysis is used to perform	n the function of —
(a) Lung (b) Heart	(c) Liver (d) Kidney [SSC Mat 1999]
 154. Sweating is important for- (a) Improvement of norm (b) To open the pore of sk (c) To control the tempera (d) To excret the smell of I 	al health in ature of body
155. The major chemical compositions is —	
(a) Calcium sulphate	(b) Calcium carbonate (d) Urea <i>[IAS (Pre) 1998]</i>
156. The stone formed in huma	
(a) Calcium oxalate (c) Sodium acetate	(b) Sodium oxalate (d) Calcium [IAS (Pre) 2000]
157. Which of the following do	
gland and as an endocrine	
a) Pituitary	(b) Pancreas
(c) Testis	(d) Ovary [SSC (LDC) 2013]
158. Loop of henely is related v	
(a) Excretory system(c) Urinogenital system	(b) Reproductive system(d) Nervous system
159. Glomerulus and Bowman'	
(a) Blood vessels	(b) Malpighian body
(c) Green gland	(d) Malpighian tubule
160. The basic functional unit of	
(a) Loop of Henele's(c) Nephridium	-(b) Nephron (d) Pyramid
161. In ureotelic animal urea is	
(a) Cori's cycle(c) Ornithine cycle	(b) Kreb's cycle (d) EMP path way
162. Lactogenic hormone is sec	
(a) Ovary	(b) Pituitary
(c) Mammary glands	(d) Placenta[SSC (LDC) 2013]

	a is formed in liver cell f	rom	- Celling manufect
	Ammonia and nitrogen		(a) asmora.o (a)
	Ammonia and carbondi Ammonia, Carbondioxi		
	Ammonia and carbon n		
	in function of kidney is-	_	
	Passive absorption	(b)	Ultrafiltration
	Selective reabsorption		
	he human body, which		
rest	oonsible for water balance	e?	
(a)	Kidneys (b) Lungs	(c)	Heart (d) Liver [SSC (LDC) 2013]
166. Blo	od vessel bringing blood		
(a) (c)	Afferent arteriole Renal vein		Efferent arteriole Renal portal vein
	mination is the process i		
(a)	Poisonous urea is remo occur in kidneys.	oved	from the blood and it
(b)	Amino acids are absorbe occurs in intestinal villi.	ed fr	om digested food and it
-(0)	Amino acids are broken it occur in liver.		wn to produce urea and
(d)	Aminoacidsaresynthesi	seda	anditoccurisribosomes.
	the implantation of fe		
	mone—		
		(b)	Prolactin
			Paratropin [RRB 2009]
	tilization in human takes		
			Oviduct
(c)	Ovigland	(d)	None of these [45 th BPSC (Pre) 2002]
170. In h	uman embryo in uterus	floa	t into a fluid called—
	Amniotic fluid		Chrionic fluid
	Placental fluid		None of these
call	and a second sec		ALL STREET STREET
	Fallopian tube		Placenta
	Uterus		None of these
172. Fus	ion of two gametes called	d—	and Advention
	Fertilization	(b)	Development
			Pollination
foet	ich of following is used t us in uterus—		and the second se
	X-rays		Ultravoilet rays
174.Sex	Ultrasound determination of child i		R-rays [SSC Mat 1999] one by the chromosome
of-	T at minute and		
	Father Both father and mother		Mother None of these
	est tube baby —		
(a)	Fertilization of ova and test tube.	dev	elopment takes place in
(b)	Fertilization of ova take	es p	lace in test tube which
	development of embryo	occ	ur in uterus.
(c)	Fertilization takes place i	nut	erus while development
(1)	takes place in test tube.		
(d)	Development of ova tak fertilization.	e pl	ace in test tube without [SSC Mat 2002]

- 176. Oral pills of birth control prevent (a) Ovulation (b) Fert
- - (c) Pregnency
- (b) Fertilization
- (d) Entery of sperm in uterus

177. Gestation period in man-(a) 6 month (b) 7 month (c) 8 month (d) 9 month 178. Surgical procedure in which a small portion of sperm duct is removed and cut end is ligated in male is called-(a) Vascotomy (b) Tube cotomy (c) Neurotomy (d) Psycotomy 179. Which one of the following is a membrane that protect the developing embryo from desication-(a) Amnion (b) Allantdis (c) Chorion (d) Youllk sac [IAS 1995] 180. In female a small portion oviduct is removed and cut end is ligated by surgical operation is called-(a) Vascotomy (b) Tubecotomy (c) Neurotomy (d) Psycotomy [RRB 2003] 181. The name of first test tube baby was-(a) Astha (b) Indria (c) Dolly (d) Lueis 182. Amocentesis is techniques use-(a) To determine the sex of foetus (b) To test of amino acid (c) To test brain (d) None of these 183. Which one of following is a duct less gland-(a) Liver (b) Sweat gland (c) Endocrine gland (d) Kidney 184.Secretion from endocrine gland is called-(a) Juice (b) Enzyme (c) Harmone (d) Solution 185. Which one of following is not a endocrine gland-(a) Adrenal (b) Pituitary (c) Thyroid (d) Liver 186, Endocrine glands are also known as-(a) Micro gland (b) Macro gland (e) Ductless gland (d) Acidic gland 187. Which of the following is not a gland — (a) Thyroid (b) Gastrine (c) Liver(d) Pancrease [SSC Mat 2001] 188. Which of the following is known as master gland in man-(a) Pancrease (b) Pituitary (c) Adrenal (d) Thyroid [RRB 2004, 2006] 189. Which one of following is smallest gland of body -(a) Liver (b) Thyroid (e) Pituitary (d) Slivary gland [UPPCS (Pre) 1996] 190. Most important gland of human body is -(a) Thyroid (b) Pituitary (c) Pancreas (d) Liver 191, Pituitary gland is situated in-(a) Brain (b) Throat (c) Kidney (d) Pancrease 192. Which of the following hormone is injected into cow and buffalow during milking-(a) Somatotropin (b) Oxytocin (c) Interferon (d) Insulin [UPPCS 1997] 193. Thyroid gland is activated by which harmone for the secretion of thyroxin -(a) TSH (b) FSH (c) LTN (d) ACTH [45th BPSC (Pre) 2002] 194. Growth harmone is secreted from-

(a) Thyroid	(b) Adrenal
(c) Gonads	(d) Pituitary

195.Oxytocin harmone is secret	ted by gland
(a) Pituitary (b) Pineal	(c) Adrenal (d) Ovary
196.What is the effect of ove	
	iselecton of narmone from
pituitary gland—	athe
(a) Increase growth in leng	
(b) Unbalanced developm	
(c) Body became curve	
197. Enlargment of gland takes	s place due to deficiency of
iodine —	
(a) Thyroid (b) Pituitary	(c) Adrenal (d) Parotid
198.Myxoedema is disorder pro	
of—	odded due to hypersecretion
	(e) Thyroid (d) Pancrease
199. Which one of following i	s known as pace maker of
endocrime gland—	about a contract (a)
(a) Thyroxin	(b) Calcitonin
(c) Insulin	(d) Adrenalin
200. Pineal gland is situated in-	
	(c) Kidney (d) Uterus
201. Which of the following hor	
(a) Thereasie	
(a) Thyroxin	(b) Testerone
(c) Insulin	(d) Adrelin [IAS (Pre) 1995]
202. The pituitary gland by vi	rtue of its tropic harmones
controls the secretary activi	ity of other endocrine glands
which one of the following of	endocrine gland can function
independently of the pituit	ary gland—
(a) Thyroid	(b) Gonads
(c) Adrenals	(d) Parathyroid
	[IAS (Pre) 1997]
03. Largest gland found in mar	
(a) Pancrease	(b) Liver
(c) Kidney	
	(d) Intestine
104. Which one of following is c	
(a) Layerhmyal gland	(b) Pituitary gland
(c) Thyroid gland	(d) Pancrease
05. Which one of following	gland disapear during old
age—	0
(a) Pituitary	(b) Thyroid
(c) Parathyroid	(d) Thymus
06. Female reproductive harmo	
(a) Estrogen	(b) Progestron
(e) Relaxin	(d) All of these
07. Match List I with List II and	d selected the correct answer
using codes given below —	•
List I (Bone)	List II (Name)
A. Breast bone	1. Clavicle
B. Coller bone	2. Patella
C. Knee cap	
D. Shoulder blade	1
	4. Sternum
	D
(a) $4 \ 1 \ 3$	2
(b) 1 4 3	2
(c) 1 4 2	3
(d) 4 1 2	3 [IAS (Pre) 2001]
08.In the human body which	a sturcture is the appendix
attached to ?	· · · · · · · · · · · · · · · · · · ·
(a) Large intestine	(b) The small intestine
	A REAL PROPERTY AND A REAL

(d) The stomach

. [IAS (Pre) 2007]

(a) Large intestine(c) The gall bladder

Biology

 209. Which one of the following is the correct sequence in the order of decreasing length of the structural parts given below of small intestine in the human body ? (a) Jejunum –Duodenum–Ileum (b) Ileum–Duodenum–Jejunum (c) Jejunum–Ileum–Duodenum _(d) Ileum–Jejunum–Duodenum 	 (a) Rice (b) Ragi (c) Skimmed milk (d) Egtg <i>[IAS (Pre) 2006]</i> 214. Assertion (A) : In human body liver has an important role in fat digestion. Reason (R) : Liver produces two important fat digesting enzymes. Codes : (a) Both A and R are individually true and R is the correct 				
210 . Production of which one of the following is a function of					
liver?	explanation of A				
(a) Lipase (b) Urea (c) Mucus (d) Hydrochloric acid	(b) Both A and R are individually true, but R is not the				
	correct explanation of A				
[IAS (Pre) 2007]	 (c) A is true but R is false (d) A is false but R is true 				
211. Which one of following is not a digestive enzyme in					
human system ?	215.Match List I with List I				
(a) Trypsin (b) Gastrin	List I List II				
(c) Ptylin (d) Pepsin [IAS (Pre) 2007]	A. Ptyalin 1. Convert angiotensinogen				
212.Consider the following with reference to human	in blood into angiotensim				
body-	B. Pepsin 2. Digest starch				
(i) The common bile duct releases its contents in	C. Renin 3. Digests protein				
stomach.	D. Oxytocin 4. Hydrolyses fats				
 (ii) The pancreatic duct releases its contents into duodenum. 	5. Induces contraction of stomach musles				
Which of the statement given above is/are correct?	Codes: A B C D				
(a) 1 only (b) 2 only	(a) 2 3 1 5				
(c) Both 1 and 2 (d) Neither 1 or 2	(b) 3 4 2 5				
[IAS (Pre) 2006]	(c) 2 3 5 1				
213. Which one of following is not a good source of nutrition	(d) 3 1 2 4 [IAS (Pre) 2001]				
callcium ?	(a), Swangon and a second of the most second second				

											1	Ans	we	rs 📾				9.9 9 .							
1.	(b)	2.	(c)	З.	(a)	4.	(a)	5.	(b)	6.	(d)	7.	(b)	8.	(d)	9.	(b)	10.	(b)	11.	(b)	12.	(b)	13.	(c)
14.	(c)	15.	(b)	16.	(a)	17.	(c)	18.	(b)	19.	(c)	20.	(d)	21.	(b)	22.	(c)	23.	(d)	24.	(c)	25.	(c)	26.	(b)
27.	(c)	28.	(b)	29.	(b)	30.	(b)	31.	(a)	32.	(d)	33.	(b)	34.	(c)	35.	(c)	36.	(a)	37.	(a)		(a)	39.	(d)
40.	(c)	41.	(c)	42.	(b)	43.	(c)	44.	(c)	45.	(c)	46.	(d)	47.	(c)	48.	(c)	49.	(b)	50,	(a)	51.	(a)	52.	(a)
53.	(Ъ)	54.	(c)	55.	(b)	56.	(c)	57.	(a)	58.	(d)	59.	(a)	60.	(a)	61.	(b)	62.	(b)	63.	(a)	64.	(a)	65.	(a)
66.	(b)	67.	(a)	68.	(b)	69.	(d)	70.	(d)	71.	(c)	72.	(b)	73.	(d)	. 74.	(a)	. 75.	(b)	76.	(a)	77.	(c)	78.	(d)
79.	(d)	80.	(c)	81.	(c)	82.	(c)	83.	(b)	84.	(d)	85.	(a)	86.	(b)	87.	(d)	88.	(b)	89.	(b)	90.	(c)	91.	(c)
92,	(b)	93.	(d)	94.	(c)	95.	(d)	96.	(c)	97.	(b)	98.	(b)	99.	(a)	100.	(a)	101.	(d)	102.	(b)	103.	(d)	104.	(a)
105.	(b)	106.	1.50 T. 1 T.	107.	(c)	108.	(a)			110.								114.	(c) ·	115.	(c)	116.	(c)	117.	(b)
118.	(c)	119.	(c)	120.	(b)	121.	(d)						NEW SEAMORE	125.				127.	Filed West	128.		129.	(d)	130.	(a)
				133.														140.	(b)	141,	(c)	142.	(b)	143.	(d)
144.	(c)	145.	(a)	146.	(b)	147.	(c)	148.	(b)	149.	(a)	150.	(c)	151.	(c)	152.	(c)	153.	(d)	154.	(c)	155.	(c)	156.	(a)
157.	(a)	158.	(a)	159.	(d)	160.	(b)	161.	(c)	164.	(d)	163.	(b)	164.	(b)	165.	(a)	166.	(a)	167.	(c)	168.	(c)	169.	(b)
170.	(a)	171.	(b)	172.	(a)	173.	(c)	174.	(a)	175.	(b)	176.	(a)	177.	(d)	178.	(a)	179.	(a)	180.	(b)	181.	(d)	182.	(a)
183.	(c)	184.	(c)	185.	(d)	186.	(c)	187.	(b)	180	(b)	189.	(c)	190.	(b)	191.	(a)	192.	(b)	193.	(a)	194.	(d)	195.	(a)
196.	(a)	197,	(a)	198.	(c)	199.	(a)	200.	(b)	201.	(a)	202.	(d)	203.	(b)	204.	(a)	205.	(d)	206.	(d)	207.	(d)	208.	(a)
209.	(d)	210.	(b)	211.	(b)	212.	(b)	213.	(a)	214.	(c)	215.	(b)												

14. Cytology

1.	Which organelles in t	he cell, other than nucleus contains
	DNA?	
	(a) Centriole	(b) Goalgi apparatus

- (c) Lysosomes
 - (d) Mitochondria

[IAS (Pre) 2000]

- 2. Which of the following features of DNA make if uniquely suited to store and transmit genetic information from generation to generation ?
 - (a) Complementary of the two strand
 - (b) Double helix

- (c) Number of base pairs per turn
- (d) Sugar phosphate backbone
- 3. Which of the following cell organelles play the most significant rule in protein synthesis—

[IAS (Pre) 2001]

[LAS (Pre) 2001]

- (a) Lysosome and centrosome
- (b) Endoplasmic reticulum and ribosome
- (c) Golgi apparatus and mitochondria
- (d) Lysosome and mitochondria
- 4. Assertion(A): Scientists can cut apart and pastetogether DNA molecules at will, regardless of the source of molecules.

Reason (R) : DNA fragments can be manipulated using restriction endonucleases and DNA ligases.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not a correct explanation of A
- (c) A is true but R is false
- [IAS (Pre) 2001] (d) A is false but R is true

(b) Ageing

- The cellular and molecular control of programed cell 5. death is known as-
 - (a) Apoptosis
 - (c) Degeneration
 - (d) Necrosis [IAS (Pre) 2001]
- 6. With reference to the latest developments in stem cell research consider the following statements-
 - 1. The only source of human stem cells are the embryos at blastocyst stage.
 - The stem cells can be derived without causing 2. destruction to blastocysts.
 - The stem cells can regnerate themselves in vitro 3. virtually forever.
 - 4. Indian research centres also created a few cell lines which can be developed into many types of tissues. Which of the statement are correct?
 - (a) 1, 2 and 4 (b) 1, 2 and 3
 - (c) 1, 2 and 3 (d) 3 & 4
- 7. The term cell was first coined by-(a) Swanson (b) Leeuwenhock (c) Robert Hooke (d) Robert brown
- Plant cells are generally without-8. (a) Ribosomes (b) Plastids
 - (c) Lysosomes (d) Vacoule
- 9. True nucleus is absent in-(a) Bacteria (b) Fungi (d) Lichens (c) Algae
- 10. Which of the following is present both in plant and animal?
 - (a) Primary wall (b) Cell wall
 - (c) Plasma membrane (d) Plastids
- 11. In absence of ribosome in cell which of the following function does not takes place-
 - (a) Respiration (b) Excretion
 - (c) Protein synthesis
 - (d) Carbohydrate synthesis
- 12. The longest cell in human body is-(a) Liver cell (b) Muscles cell
 - (c) Nerve cell (d) None of these
- 13. Nuclear envelope is absent in-(a) Eucaryotic cell
 - (b) Bacteria
 - (d) None of these
- 14. Nucleoid is present in-(a) Procaryotes (b) Protozoa
 - (c) Green algae (d) None of these
- 15. Cell theory was put forward by-
 - (a) Schleiden and Schwan (b) Sulton and Boveri
 - (c) Watson and Crick (d) Darwin and Wallace
- 16. Nucleus was discovered by-
 - (a) Robert Brown (b) Leeuwenhock
 - (c) Robbert Hooke
 - (d) Schleiden and Schwann

- 17. Which one of the following is known as power house of cell?
 - (a) Golgi bodies (b) Nucleolus
 - (c) Mitochondria (d) Ribosomes
- 18. Which one of following is largest cell organelles ? (a) Chromosomes (b) Mitochondria
 - (c) Plastid (d) Golgibodies
- 19. The outermost covering of plant cell is-
 - (a) Cell membrane (b) Cell wall (c) Tonoplast
 - (d) Endoplasmic reticulum
- 20. Net work of membranous irregular tubules found in cell _cytoplasm is called__ (a) Golgibodies
 - (b) Mitochondria
 - (d) Endoplasmic reticulum
- 21. Site of protein synthesis in a cell is-(a) Lysosomes

(c) Ribosomes

(c) Mitochondria

- (b) Ribosomes
- (d) Golgibodies
- 22. Which of the following organelles found only in plant cell?
- (a) Cell wall (b) Palastids (c) Vacoules (d) All of these
- 23. Site of cellular respiration is-(a) Golgibodies (b) Mitochondria (c) Ribosome
 - (d) Lysosomes [NDA 2014]
- 24. Leucoplast found in mainly-(a) Cells of root (b) Cells of stem (c) Cells of leaf
 - (d) Cells of flower
- 25. Attractive colour of flower and seed is due to-(a) Leucoplast (b) Chromoplast (c) Chloroplast
 - (d) Tonoplast
- 26. Green colour of leaves is due to-(a) Chromoplast (b) Leucoplast
 - (c) Chloroplast (d) Tonoplast
- 27. Sucidal bag of cell is-(a) Lysosomes (b) Ribosomes (c) Nucleosomes (d) Golgibodies
 - [RRB Ahamadabad ASM / GG 2004]

(b) Fat

(d) Water

- 28. The enzyme found in lysosme is-
 - (b) Cytoplasm
 - (c) Nucleoplasm (d) Hydrolytic enzyme
- 29. A substance which is more than 80% in the cell is -
 - (a) Protein
 - (c) Mineral

Code:

(a) Only 2

(c) 2 and 3

(a) Cell sap

- 30. Cell theory is given by
 - (2) Schileden
 - (4) T Schawn
 - (b) 1 and 2
 - (d) 2 and 4
 - [RRB Kolkata GG 2002]

[39th BPSC (Pre) 2004]

- 31. A plant cell differ from animal in having-(b) Cell wall
 - (a) Chloroplast
 - (c) Cell membrane (d) Nucleus
- 32. Main function of Golgibodies is-
 - (a) Respiration (b) Cell division
 - (c) % produce digestive enzyme

[RRB Mumbai TC 2005]

[SSC Grad 2003]

(d) Secretory

- (1) Pasture (3) Robert Hooke
- (c) Both eucaryotic and bacterial cell

Biology

547

 33. Function of lysosome is (a) Protein synthesis (b) Processing and pach (c) Intracellular digesti 	aging	 50. Two strand of DNA held together by— (a) Nitrogen bond (b) Hydrogen bond (c) Carbon bond (d) Oxygen bond [CDS 2014]
34. Chromosomes are made		51. Kreb cycle takes place in—
(a) DNA (c) DNA and Protein	 (b) Protein (d) RNA [SSC (LDC) 2013] 	 (a) Vesicles of E.R (b) Mitochondria (c) Dictyosomes (d) Chloroplast
 35. Cell wall is— (a) Permeable (c) Selective permeable 	1	 52. Energy currency of cell is— (a) AMP (b) ATP (c) RNA (d) DNA 53. Both respiration and photosynthesis require—
called—	r membrane of mitochondria is	(a) Sun light(b) Chlorophyll(c) Glucose(d) Cytochromes
(a) Cristae (c) Oxyosomes	(b) Cistrnea (d) Matrix	54. Which one can respire in absence of oxygen— (a) Seed (b) Leaves (c) Stem (d) Root
 37. <u>Mitochndria is absent ir</u> (a) Yeast (c) Bacteria 	(b) Fungi (d) Green algae	55. In biology, water soluble substances as referred to :(a) hydrophilic(b) hydrokinetic
 38. <u>The world protoplasm v</u> (a) Henery (c) Huxely 		 (c) hydrodynamic (d) hydrophobic [55C 2013 56. Plasma membrane is made up of (a) Carbohydrates and fats
39. The statements "Protopl is given by—	asm is the physical basis of life"	 (b) Fats and proteins (c) Proteins and carbohydrates (d) Carbohydrates and proteins
(a) Darwin (c) John Ray	(b) Purkinja (d) Hathinths	57. Which of the following structure is present in
40. Model of DNA is given (a) Knole & Ruska (c) Khurana		mitochondria— (a) Quantasones (b) Oxysomes (c) Polysomes (d) Dictyosomes
41. Electron microscope is i (a) Knole & Ruska	n invented by— (b) Schilden & Schwan	 58. <u>Centriole take part in</u> (a) Nucleolus formation (b) Start of cell division (c) Cell plate formation (d) Spindle formation
 (c) Fleming & brown 42. <u>Molecular and cellular r</u> (a) Mumbai (c) Banglore 	(d) Watson & Crick research centre is situated in— (b) Kolkata (d) Hyderabad	 59. Grana and stroma lamellae occur in— (a) Chloroplast (b) Ribsomes (c) Golgi bodies (d) Mitochondria
 43. Which one of the follow (a) Mycoplasm (c) White blood cells 	and a second	 60. Mitochondrial cristae are site of— (a) Breakdown of macromolecules (b) Protein synthesis
44. Cellular totipotency me (a) Synthesis of new ce	ans—	(c) Phosphorylation of flavoprotein(d) Oxidation-reduction reaction
 (b) Formation of new s (c) Formation of new p (d) Canability of a plan 		 61. Nucleolus takes part in synthesis of— (a) r RNA (b) t RNA (c) m RNA (d) DNA 62. Rigidity of cell wall is due to presence of—
45. <u>Prokyarotic Ribosomes</u> (a) 80 s (b) 70 s		(a) Cellulose (b) Lignin (c) a and b both (d) Suberin
46. The enzymes which t respiration are found in (a) Mitochondria	ake part in glycolysis during — (b) Endoplasmic reticulum	 63. Centrioles are found in— (a) Green plants (b) Animals (c) Bacteria and cynobateria (d) Both b and c
(c) Vacuole 47. Enzymes are—	(d) Cytoplasm [MTS 2014]	 64. Leucoplast represent— (a) Colourless plastids (b) Proplastids (c) Cell adhesives
(a) Proteins (c) Steroids	(b) Lipids (d) Carbohydrates <i>[SSC LDC 2013]</i>	 (d) Palastids with variable colouration 65. Endoplasmic reticulum remain attached to the—
_DNA?	ell, other than nucleus, contains	(a) Plasma membrane (b) Nucleus (c) Mitochondria (d) Both a and b
(a) Endoplasmic Reticu(c) Lysosome	lum(b) Golgi Apparatus (d) Mitochondria [CDS-II 2013]	 66. Vacoule is covered by single membrane called— (a) Plasmalemma (b) Cell membrane (c) Tonoplast (d) Cell wall
49. <u>Chromosomes other tha</u> (a) Microsomes	in sex chromosomes are called : (b) Allosomes	67. Cell organelles covered by single membrane (a) Glyoxysome (b) Lysosome (c) Per-oxisome (d) All the above

- (a) Microsomes
- (c) Isochromosomes (d) Autosomes [SSC 2014]
- 547

(c) Per-oxisome

(d) All the above

548 . Objecti	ve General Knowledge
 68. Significance of mitosis cell division is— (a) Increasing cellular mass (b) Swift division (c) Occur in every tissue of body (d) Producing cell genetically similar to parent cell 69. Meosis is also know as— (a) Multiplication division (b) Equational division (c) Reduction division (d) Disfunctional division 70. As compared to mitosis meosis has— (a) Exchange of chromatid segments (b) No telophase (c) Daughter cells similar to parent cells 	 (c) Plasma membrane (d) Nucleolus [NDA 2007] 72. Which one of the following is the principal structural elements of a living cell ? (a) Oxygen (b) Hydrogen (c) Carbon (d) Nitrogen [NDA 2007] 73. Which one of the following is considered as a cell withing a cell ? (a) Ribosome (b) Chloroplast (c) Lysosome (d) Golgi appratus [NDA 2007]
	Answers was
1. (d) 2. (b) 3. (b) 4. (a) 5. (a) 6. (d) 14. (a) 15. (a) 16. (a) 17. (c) 18. (c) 19. (b)	

69. (c)	70. (a)	71. (d)	72. (c)	73. (c)	
		SAL A		2	inder 11
	1	5. An	imal	Tissue	

33. (c)

46. (d)

59. (a)

34. (c)

47. (a) 48. (d)

60. (d) 61. (a)

Tissue which form protactive layer of body-

29. (d)

42. (d)

55. (a)

68. (d)

(a) Epithelium tissue

28. (d)

41. (a)

54. (a)

67. (d)

27. (a)

40. (b)

53. (d)

(b) Musucular tissue

31. (b)

32. (d)

44. (d) 45. (b)

57. (b) 58. (d)

(c) Connective tissue (d) None of these

30. (d)

43. (a)

56. (b)

- Which of the following tissue take part in healing the 2 wounds-
 - -(a) Epithelium tissue (b) Muscular tissue
 - (c) Connective tissue (d) Nervous tissue
- 3. Which of the following tissue help in keeping the body warm-
 - (a) Sweat gland (b) Connective tissue
 - (e) Fatty tissue (d) Hair
- Sebaseous gland are found in-
 - (a) Epidermis of skin of mammal
 - (b) Dermis of skin of mammal
 - (c) Epithelium of stomach
 - (d) Epithelium of intestine
- 5. In man skin is thickest on-(a) Palm -(b) Sole (c) Trunk (d) Head
- 6. Lacrymal gland secret-
 - (a) Sebum (b) Mucus (c) Tear
 - (d) Sweat
- 7. In old age skin became wrinkled due to-
 - (a) Reduced blood circulation in skin
 - (b) Redued elasticity epidermis
 - (c) Redued fatty tissue in skin
 - (d) Increased melanin and melanocytes in skin
- 8. Longest cell found in the body of human-(b) Cells found in leg
 - (a) Cells of hand (e) Nerve cell (d) None of these
 - Unit of nervous tissue is (a) Axone
 - (b) Neuron
 - (c) Gangelion

10. Transmission of stimuli from one part of body to other

36. (a)

49. (d)

62. (c)

part takes place through-(a) Muscular tissue

35. (a)

(b) Epithelium tissue

37. (c)

50. (b)

63. (b)

- (c) Connective tissue
- (d) Nervous tissue

38

51.

64.

39

52.

65.

(b)

(a)

(b)

(b)

(d)

- 11. Ligament connect-
 - (a) Muscles to bone (b) Bone to bone
 - (c) Nerve to bone (d) Muscles to skin
- 12. Hump of camel is made up of-
 - (a) Skeletal tissue (b) Muscular tissue
 - (c) Cartilagenous tissus (d) adipose tissue
- 13. Obsity of person is due to excess of-(a) Glucose (b) Fat
 - (c) Sucrose (d) Sugar
- 14. Which of the following is an example of tissue (a) Brain (b) Blood (c) Liver (d) Stomach
- 15. Cartilage present in body is
 - (a) a muscular tissue (b) an epithelial tissue (c) a connective tissue (d) a germinal tissue
 - [SCRA 2012]
- **16.** External ear of man is mainly made up of : (a) Muscle (b) Smooth muscle
- (c) Cartilage (d) Bones [SSC CGL 2014]
- 17. Lymph Contains—
 - (a) Everything like blood expect RBC and few blood proteins
 - (b) Serum and WBC
 - (d) WBC and RBC (c) Blood plasma
- 18. Which of the following statements is/are correct regarding fats?
 - 1. Fats are needed for the formation of cell membrane.
 - Fats help the body to absorb calcium from food. 2.
 - Fats are required to repair damaged tissue. 3.

548

(d) Cell body

	34:
 4. Body cannot release energy in fats as quickly as the energy in carbohydrates. Select the correct answer using the code given below. (a) 1 and 4 (b) 1 only (c) 2 and 4 (d) 3 and 4 [CDS Exam I 2014] 	 24. Urinary bladder is lined with— (a) Simple epithelium (b) Stratified epithelium (c) Transitional epithelium (d) Pseudostratified epithelium
19. Which of the following is the contractile protein of muscle? (a) Tublin .(b) Myosin	 25. Teeth is mainly made up of— (a) Enamel (b) Dentine (c) Odontoblast (d) Marrow 26. Crown of teeth is made up of—
 (c) Tropomyosin (d) All 20. Lung is covered by a membrane called— (a) Pericardium (b) Pleura (c) Peritonium (d) Serosa 	 (a) Cartilage (b) Dentine (c) Enamel (d) Chitin 27. Blood is a : (a) reproductive tissue (b) connective tissue (c) epithelial tissue (d) muscular tissue
21. Life span of WBC is approximately—(a) 48 hour(b) 20 hour(c) 120 days(d) 100 days	 (c) opticional instite (c) intescular instite [SSC (CGL) 2013 28. Collagen is —
 22. Tendon connect— (a) Muscle to muscle (b) Bone to bone (c) Bone to muscle (d) Nerve to muscle 23. Mammalian tissue having the least power of regeneration is (a) Environment of ching 	 (c) Epithelial tissue (d) None of these 29. Inner lining of gut and stomach is made of— (a) Cuboidal epithelium (b) Ciliated epithelium (c) Simple columnar epithelium
 (a) Epidermis of skin (b) Endothelium of blood vessels (c) Skeletal tissue of long bones (d) Nervous tissue of brain 	 (d) All of above 30. Bone forming cells are— (a) Osteoblasts (b) Osteoclasis (c) Chondrociasts (d) Chondroblasts

16. Health, Disease & Nutrition

By weaving thread of physics, chemistry and biology 1. into a rich tapestry this remarkable scientist provided a unifying molecular view of the world. He taught the wonderful properties of vitamin C, first as a cure of common cold and later as preventing agent against cancer. One of science's major figures of all time referred to above is-

30. (a)

(a) GNLewis

27. (b)

(b) Linus Carl Pauling

28. (a)

29. (c)

- (c) Fritz Landon
- (d) Walter Heitle

[LAS(Pre)1995]

- Of the four land marks in medical history given below, 2. which one was the first to take place-
 - (a) Organ transplant (b) By pass surgery
 - (c) Test tube body (d) Plastic surgery

[IAS(Pre)1996]

- 3. Living organisms require at least 27 elements of which, 15 are metals. Among these, those required in major quantities, include-
 - (a) Potassium, maganese, molybdenum and calcium
 - (b) Potassium, molybdenum, copper and calcium
 - (e) Potassium, sodium, magnesium and calcium
 - (d) Sodium, magnesium, copper and manganees

[IAS (Pre)1996]

4. Match List-I with List-II and select the correct answer by using the code given below-

	List-I			List-II	
Α.	Vitamin	No. Charles	1.	Pepsin	
B.	Enzyme		2.	Carote	
C.	Harmone		3.	Keratir	1 3 1 3 6 6 C 1 3
D.	Protein		4.	Proges	terone
Co	de: A	В	C	D	
(a)	1	2	3	4	
(b)	2	1	4	4 (.	3)
(c)	2	1	3	4	Terrent and
(d)	1	2	4	3	[LAS (Pre)1996]

Assertion A : Human diet should compulsorily contain 5. glycine, serine and tryosin.

Reasons R : Essential amino acid can not be synthesized in human body.

- (a) Both A and R are true and R is the correct explantion of A.
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true
- Which one of the following set is correctly matched ? 6.
 - I. Diptheria, pneumonia and leprosy : Hereditary
 - II. AIDS, syphilis and gonorrhiea Bacteria
 - III. Colour blindness, haemophilia 1. 200 Sex linked and sickle cell anemia
 - IV. Polio, Japanese B encephalitis and : Viral plague

[IAS(Pre) 2006]

Education Keeda

Objective General Knowleds	ze	
----------------------------	----	--

	Çode :		and the second second second
	(a) only II		only III
	(c) I & IV	(d)	None of these
	Construction of the second		[LAS (Pre) 1995]
7.	Which one of the following a	antin	nicrobial drug is suitable
	for treatment of both tubero		
	(a) Isoniazid		P- aminosalicylic acid
	(c) Streptomycin		Rifampicin
	(c) sucpromychi	(au)	[IAS (Pre) 1995]
~			
8.	It begins as a single cell and g that claims millions of lives are steadily unlocking its m it, may now have reached a c discoveries promise better t against. The disease referred is —	year ystei Iram hera	after year. But scientists ries and the fight against atic turining point. Now pies and hope in the war
		<i>a</i>)	ATTOC
	(a) Cancer		AIDS
	(c) Tuberculosis	(d)	Alzheimer's disease [LAS (Pre) 1995]
9.	The nutritional deficiency co	ondit	ion that need to be given
	top priority for remedial act	tion	is india todav is—
	(a) Scurvy		Rickets
	(c) Xerophthalmia		Pellagra [IAS (Pre) 1996]
10			
10.	According to the word hea disease which causes the de	lth o	organization (WHO) the of the largest number of
-	people today is—		
38	(a) AIDS	(b)	Tuberculosis Ebola <i>[IAS (Pre) 1996]</i>
	(c) Malaria	(d)	Ebola [IAS (Pre) 1996]
11.	Which of following are assoc		
	a common disease in adults	2	a with that detes memilus,
	1. Higher sugar level in bl		
	2. Lower sugar level in blo		
	3. Lower insulin level in b		
	4. Higher insulin level in l		
	Select the correct answer by	usir	ng the code given below
	Code-		
	(a) 2 & 4	(b)	1&2
	(c) 2 & 3	-(d)	1 &3 [IAS (Pre) 1996]
12.	Endoscopy, a technique use	d to	explore the stomach or
	other inner parts of the body, of—		
	(a) Total internal reflection	(1-)	Interformer
	(c) Diffraction	(a)	Polarization
-	And		[IAS (Pre) 1999]
13.	When an ants bits, they inje		Mean Anna Anna Anna
	(a) Glacial acetic acid		Methanol
	(e) Formic acid		
			[IAS (Pre) 1999]
14.	Lathyrism is caused by exce	ceitza	
	(a) Khesari Dal		Mustard oil
	(c) Polished rice		
	(c) rousted fice	(d)	Mushrooms
-			[IAS (Pre) 1999]
15.	Match List-I (Disease) with select the correct answer usi		
	List-I	0.0	List-II
	A. Haemophilia	1	
	B. Diabetes		Genetic disease
	C D'L		Harmónal disorder
	D. Ringworm	4.	Fungal infection

Cod	le: A	В	C	D	
(a)	2	3	4	1	
(b)		3			
(c)	3	2		4	
(d)	3	2	4	1	[IAS (Pre) 2000]
16. A st	mall pour	h contair	ning silic		often found in
bott	les of me	dicine in	tablet or	powde	er form because
silic	a gel—	1. 1. 1. 1.		Ponta	er tornt because
	Kill Bacte	ria	12		
	Kill germ		res		
ter	Absorb m	oisture			A DECEMBER OF
(d)	Absorbs a	all gas pre	sent insid	le the b	ottle
					[IAS (Pre) 2000]
17. Met	astasis is I	the proces	s by whi	ch—	
(a)	Cell divid	le rapidly	under th	e influe	nce of drugs
(b)	Cancer ce	ell spread	through	the blo	od or lymphatic
	system to	other site	or organ	IS	and the second second
(c)	The chror	nosome in	n cell nuc	lei are a	attached to the
	spindle be	efore mov	ing to the	e anaph	ase poles
(d)	Cancer ce	ells are su	ccesfuly :	inhibite	d to divide any
	further				[IAS (Pre) 2001]
18. Con	sider the	following	condition	ns of a s	ick humanbody
					ng at night
(c)-	Loss of m	emorv	(d)	Loss of	fweight
Whi	ch of thes	e are svm	ptoms of	AIDS-	-
	1 and 2	and the second second		2, 3 an	
(c)	1, 3 and 4			1, 2, 3 a	
					[IAS (Pre) 2003]
19. Con	sider the	following	statemen	its-	
A.	Femur is	the longes	t bone in	the hu	man body
2.	Cholera is	a disease	caused H	ov bacte	ria
3.	Atheltte's	foot is a c	lisease ca	used by	virus
Whi	ch of the s	statement	given ab	ove are	correct ?
(a)	1 and 2			2 and 3	
	1 and 3	a inte		1, 2 and	
					[IAS (Pre) 2004]
20. Con	sider the f	ollowing	statemen	t—	
1.	Dengue i	is a prot	ozoan d	isease	transmitted by
	mosquito				
		ital pain is	s not a sy	mptom	of dengue
-3.	Skin rash a	and bleed	ing from I	nose and	d gums are some
	of the syn	ptoms o	f dengue.		
Whi	ch of the s	statement	given ab	ove is/a	are correct ?
(a)	1 and 2		(6)	3 only	
(0)	2 only				FLAC (D.) DOOFT

(c) 2 only (d) 1 and 3 [IAS (Pre) 2005]

21. Which of the following diseases of milching animals are infectious-

- 1. Foot and mouth disease 2.Anthrax3. Black quarter4.Cowpox
- Select the correct answer using the code given below-
- (a) 1, 2 and 3 (b) 2, 3 and 4
- (e) 1 and 4 (d) 1,2,3 and 4

[LAS (Pre) 2005]

22. Which one of the following in the landmark performance of Dr. V. Mohan Reddy, an Indian born doctor working in U.S.A during February, 2005?

- (a) Research on human, an stem cell which is likely to revolutionise treatment of deadly disease like cancer
- (b) Successful open heart procedure called arterial switch performed on an infont-

(c) Research on genetic engineering which can help in treatment of deadly disease like AIDS—	 Vomating and neck pain are two of the symptoms of meningococcal meningitis.
(d) Successful brain surgery to revive the function of	Which of statement given above is/are correct?
nearly dead brain of premature born infant	(a) 1 only (b) 2 only
[IAS (Pre) 2005]	(c) Both 1 and 2 (d) Neither 1 nor 2
23. Pneumoconiosis affects the workers who work mainly	[IAS (Pre) 2006]
in—	
(a) Tanneries (b) Coal mining industry	31. Which of the following elements are present in all
(c) Distiueries (d) Glass industry	protein—
[IAS (Pre) 2005]	A. Carbon NH 2. Hydrogen
24. Which one of the following is considered as the drug of	-3. Oxygen COV 4. Nitrogen
last resort for human being?	Code-
(a) Penicillin (b) Tetracycline	(a) 2 & 3 (b) 1, 2 and 4
(c) Chloramphenical (d) Streptomycin	(c) 1,3 and 4 (d) 1, 2, 3 and 4
[CDS exam 2009]	[IAS (Pre) 1995]
	32. Which of the following lead to malnutrition ?
25. Consider the following statement—	1. Overnutrition 2. Under nutrition
AIDS is transmitted-	.3. Imbalanced nutrition
1. By sexual intercourse 2. By blood transfusion	Select the correct answer by code-
3. By mosquitoes and other blood sucking insects	(a) 2 alone (b) 2 & 3
.4. Across the placenta	(c) 1 & 3 (d) 1, 2 & 3 [LAS (Pre) 1996]
(a) 1, 2 and 3 are correct (b) 1, 2 and 4 are correct	33. Beside protein and carbohydrate other element of
(c) 1, 3 and 4 are correct (d) 1 and 3 are correct	nutritional value found in milk, include—
[IAS (Pre) 1996]'	(a) Calcium, Potassium and iron
26. People drinking water from a shallow hand pump are	
likely to suffer from all of following disease except—	(b) Calcium & Potassium
(a) Cholera (b) Typhoid	(c) Potassium & iron
(c) Jaundice (d) Fluorosis	(d) Calcium & iron [IAS (Pre) 1996]
[IAS (Pre) 1996]	34. Fat present below the skin surface in our body act as a
27. Match List-I with List-II and select the correct answer	barrier against—
by using the code given below—	(a) Loss of heat from body
List-I List-II	(b) Loss of essential body fluid
	(c) Loss of salt from body
A. Malaria 1. Bone marrow	(d) Entry of harmful micro-organisms from the
B. Filaria 2. Brain	environment. [IAS (Pre) 1996]
C. Encephalitis 3. Muscle	35. What is the average fat content in buffalow milk?
D. Leukaemia 4. Lymph node	(a) 7.2% (b) 4.5%
5. Blood cells	(c) 9.0% (d) 10.0% [IAS (Pre) 1997]
Code: A B C D	
(a) 5 3 2 1	36. The major component of honey is—
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	(a) Glucose (b) Sucrose
	(c) Maltose (d) Fructose
(d) 5 4 1 2 [IAS (Pre) 1997]	[IAS (Pre) 1997]
28. Ergotism is due to consumption of	137 Daily intake of proteins, recommended for a moderately
(a) Contaminated grains (b) Rotting vegetables	active women is—
(c) Contaminated water (d) Safe cooked food	(a) 30 gram (b) 37 gram
Ina coloreda al dana da la [IAS (Pre) 1998]	(c) 40 gram (d) 46 gram
29. Match List-I with List-II and select the correct answer	38. Which one of the following statements regarding starch
using the code given below—	and cellulose is not correct—
List–I List–II (Organism)	(a) Both of them are of plant origin
A. Malaria 1. Fungi	(b) Both of them are polymer
0	(c) Both of them give colour with iodine
B. Poliomyelitis 2. Bacteria C. Tuberculosis 3. Virus	
	(d) Both of them are made up of glucose molecules
D. Ring worm 4. Protozoa	[IAS (Pre) 1998]
Code: A B C D	39. Consumption of fish is considered to be healthy compared
(a) 4 3 2 1	to flesh of other animals because fish contain-
(b) $4 3 1 2$	(a) Polyunsaturated fatty acids
(c) $3 \ 4 \ 1 \ 2$	(b) Saturated fatty acid
(d) 3 4 2 1 [IAS (Pre) 1998]	(c) Essential vitamins
 Consider the following statement— 	(d) More carbohydrate and proteins [IAS (Pre) 1998]

1. Meningococcal menisngitis is transmitted from person to person by mosquito like.

40. Assertion (A) : Unsaturated fat are more reactive compared with the saturated fats.

47

48

49

50.

Reason (R) : Unsaturated fats have only single bond in their structure

- (a) Both A and R are individually true and R is the correct explanation of A
- -(b) Both A and R are individually true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true
- [IAS (Pre) 2003] Which of the following statement is not correct?—
 - (a) Milk contains none of the B-vitamins
 - (b) Vitamin A (retinol) deficiency leads to dry and scaly skin
 - (c) One of the symptom of scurvy is pain in the joints
 - (d) Vitamin B₁ (thiamine) deficiency can lead to heart failure [LAS (Pre) 1993]
- 42. Consider the following statements-
 - 1. Non-functioning of lachrymal gland is an import symptom of deficiency of vitamin A
 - 2. Deficiency of vitamin B, can lead to indigestion and heart enlargement
 - Vitamin C deficiency can lead to pain in the muscles
 - Deficiency of vitamin D causes increased loss of Ca++ in urine
 - Which of the statement given above are correct
 - (a) 1 and 2 (b) 2, 3 and 4
 - (c) 1, 3 and 4 (d) 1, 2, 3 and 4

[LAS (Pre) 2004]

43. Assertion (A): Fatty acid should be a part of the balanced human diet.

Reason (R) : The cells of the human body can not synthesise any fatty acids.

- (a) Both A and R are individually true and R is the correct explanation of A
- (b) Both A and R are individually true but R is not the correct explanation of A
- (e) A is true but R is false
- (d) A is false but R is true
- 44. Consider the following statements-
 - 1. Elisa test is employed as the first and most basic test for an individual to detect cancer.
 - 2. Almost 50% of human beings have Rh⁺ blood while the remaining have Rh⁻ blood.

(b) 2 only

- Which of the statement(s) given above is/are correct?
- (a) 1 only
- (c) Both 1 and 2 (d) Neither 1 nor 2

[IAS (Pre) 2006]

- 45. Consider the following statements-
 - 1. Caffine, a constituent of tea and coffee is a diuretic
 - 2. Citric acid is used in soft drink
 - 3. Ascorbic acid is essential for formation of bones and teeth
 - 4. Citric acid is good substitution of ascorbic acid in our nutrition

Which of the statement given above are correct ?

- (a) 1 and 2 (b) 1, 2 and 3 only
- (c) 3 and 4 (d) 1, 2, 3 and 4

[IAS (Pre) 2006]

46. Match List-I with List-II and select the correct answer using the codes given below the lists-

Li	st-I (Medicin	al pr	odu	ct)—Li	st–II (S	Sourc	e)	
Α	Quinine	22		1.		py pl		
· B.	Morphine			2.		eriun		
C.	Penicillin		15.51	3.			bark	
D.		e		4.	Fun		Durk	
C	ode: A	В		C	I UI	70		
(a		4		1	100			
(b		3	10	100	2			
(e)		3		1 .	4			
	2 A	-		4	2			
(d		1		3	4		[CDS	2009]
7W	hich of the	folle	win	g dise	ases i	is no	t cause	d by
VI	ruses ?			1012227	10 10 1017	THE P	+	
	Cholera			(b)	Chic	kenp	ox	
(c)	Hepatitis			(d)	Mea	sles		2009]
3. W.	here is the na	tiona	lins				located	2007
(a)	Bengaluru	cionic	u 1113	(h)	TILL	mon	located	£
	Mysore			(1)	Hyd	eraba		
	and the second state of th	in.			Pune		[CDS	2008]
. W.	hich of the foll	owir	igpa	rtofblo	ood car	rryou	tthefur	iction
OI	body defence	af .						and the second se
	Red blood o	ells		-(b)	Whit	e blo	od cell	
(c)	Platelets		42	(d)	Haer	noeld	bins	
						0		2008]
WI	hich one of	the	falla	urina i			PLD5	20005
dis	nich one <u>of</u> ease—	uie .	tono	wing	is not	an	insect l	orne
	Beriberi							
- 2002C					Kala			
	Malaria	1 Street	64.)	(d)	Plag	Je	[CDS	20081
Ma	tch List-I wi	th Li	st-II	and se	elect the	he co	rrect an	swer
usi	ng the codes	giver	n bel	ow the	lists-	_		- II CI
Lis	t–I (Disease)	0					ıman bo	(ubc
	Conjunctivi	His	1.	Eye		orm	intari Di	Juy)
B.	Dermatitis		2.					
	Gout		3.	and the second				
D.	Meningitis							
	de : A	D	4.					
		В		C	D			
(a)	2	4		1	3			
-(b)	1	3		2	4			
(c)	2	3		1	4			
(d)	1 .	4		2	3		[CDS	20081
Ma	tch List-I wit	h Lie	st-II	and se	lect th		ract an	
usi	ng the codes	river	hel	our the	liete.	ie coi	lect and	swer
Liel	-I (Vitamin)	5						
				.ist–II (
Α.	Vitamin A	1	. A	Assists	in nor.	mal		
			1	reprodu	active	funct	ion	
Β.	Vitamin C	2		Assists i		bsorp		and
				netabol		fcalci	1100	un
C.	Vitamin D	3	E	scentia	1 for 1	boolth	iy skin	- 1
		0					iy skin	and
D.	Vitamin B ₁₂	1		ormal				10
D.	12 Trainin D	4		ssentia		tor	mation	of
		10		ollagen				
		5	. E	ssentia	l for	Red	blood	cell
			fo	ormatic	m			
Cod	le: A	В		C	D			
(a)	2	1		5	4			
(b)	3	4		2	5			
(c)	3	2		4	1			
(d)	2	1		3			Long	
TATh:		1		5	5		[CDS 2	:008]
	COLONO OF HE	a for I	I then be a set of	and the second se	Carl Street Street Street		NOTION DOLLARS	

53. Which one of the following disease is caused due to presence of excess arsenic in water?

(a) Alzheimer disease (e) Skin Cancer

(b) Parkinson's disease

(d) Indigestion [CDS 2007]

1		B
-H. 10	Which of the following dis	seases are waterborne?
- 1	1. Typhoid 3. Tuberculosis	2. Hepatitis B
	3. Tuberculosis	A. Hepatitis A
	Select the correct answer u	ising the code given below—
	(a) $1 \& 2$ (b) $1 \& 3$	(c) 1 & 4 (d) 2 & 4 [CDS 2007]
5.	Who discovered the polio	vaccine?
	(a) Louis Pasteur	(b) Konrad Zuse (d) Jones Salk [CDS 2007]
	(c) Eli Whitnecy	(d) Jones Salk [CDS 2007]
	syndrone?	g is responsible for blue body
Ľ	(a) Fluoride (b) Nitrate	(c) Arsenic (d) Lead [CDS 2007]
7.	Vaccination is available	against all of the following
	disease except—	
	(a) Yellow fever	(b) Typhoid fever
	(c) Malaria	(d) Hepatitis B [CDS 2007]
8.	What causes the mottling	of the dental enamel?
	(a) High levels of chloring	
	(b) High levels of nitrate i	
	(c) High levels of floride	
	(d) High levels of calcium	
-		
	off or landing of an aircraft	
	(a) Stretching of the tymp	
	(b) Damage to the middle	e ear ossicles
	(c) Vibration in the bony	labyrinths of the inner ear
	(d) Increased impulses to	the cochlea [CDS 2006]
0.	Which of the following are	e water-borne disease—
-	1 Viral hepatitis	2 Cholera
	 Viral hepatitis Typhoid fever 	4. Amoebiasis
	Select the answer using co	
	(c) 1 and 4 only	(b) 1, 2 and 3 (d) 2, 3 and 4 [CDS 2006]
1.		children to immunize them
1	against-	at which one of the falls
	(a) Diptheria, whooping	
	(b) Diptheria, whooping	
	(c) Diarrhoea, whooping	- · · ·
	(d) Diarrhoea, polio and t	tetanus [CDS 2006]
	Which of the following	vitamin is essential for the
2.	coagulation of blood?	The second se
2.		(b) Vitamin B
2.	(a) Vitamin A	(-)
52.	(a) Vitamin A (c) Vitamin K	(d) Vitamin D [*] ICDS 2006
	(c) Vitamin K	(d) Vitamin D [CDS 2006
	(c) Vitamin K Deficiency of which of t	(d) Vitamin D ² <i>[CDS 2006]</i> the following causes xeroph-
	(c) Vitamin K Deficiency of which of t thelmia—	(d) Vitamin D ⁻ [CDS 2006] the following causes xeroph-
	 (c) Vitamin K Deficiency of which of t thelmia— (a) Vitamin B₃ 	 (d) Vitamin D⁻ [CDS 2006] (b) Vitamin B₁₂
	(c) Vitamin K Deficiency of which of t thelmia—	(d) Vitamin D ⁻ [CDS 2006] the following causes xeroph-
i3.	 (c) Vitamin K Deficiency of which of t thelmia— (a) Vitamin B₃ (c) Vitamin A 	 (d) Vitamin D⁻ [CDS 2006] (b) Vitamin B₁₂ (d) Vitamin C [CDS 2006]
i3.	 (c) Vitamin K Deficiency of which of t thelmia— (a) Vitamin B₃ (e) Vitamin A Which one of the following 	 (d) Vitamin D⁻ [CDS 2006] (b) Vitamin B₁₂ (d) Vitamin C [CDS 2006] (ng disease is caused through
i3.	 (c) Vitamin K Deficiency of which of t thelmia— (a) Vitamin B₃ (c) Vitamin A Which one of the followi the wound or injury or su 	 (d) Vitamin D⁻ [CDS 2006] (b) Vitamin B₁₂ (d) Vitamin C [CDS 2006]
53.	 (c) Vitamin K Deficiency of which of t thelmia— (a) Vitamin B₃ (e) Vitamin A Which one of the following the wound or injury or superstruments? 	 (d) Vitamin D⁻ [CDS 2006] (b) Vitamin B₁₂ (d) Vitamin C [CDS 2006] (d) Vitamin C [CDS 2006] (d) urface of unsterilized surgical
i3.	 (c) Vitamin K Deficiency of which of t thelmia— (a) Vitamin B₃ (c) Vitamin A Which one of the following the wound or injury or superstruments? (a) Kala-azar 	 (d) Vitamin D⁻ [CDS 2006] (b) Vitamin B₁₂ (d) Vitamin C [CDS 2006] (d) Vitamin C [CDS 2006] (d) vitamin C surgical (d) Chancroid
i3.	 (c) Vitamin K Deficiency of which of t thelmia— (a) Vitamin B₃ (c) Vitamin A Which one of the following the wound or injury or superstruments? (a) Kala-azar (c) Diptheria 	 (d) Vitamin D [CDS 2006] (b) Vitamin B₁₂ (d) Vitamin C [CDS 2006] (d) Vitamin C [CDS 2006] (d) Vitamin C [CDS 2006] (e) Vitamin C [CDS 2006] (f) Chancroid (d) Tetanus [CDS 2006]
i3. i4.	 (c) Vitamin K Deficiency of which of t thelmia— (a) Vitamin B₃ (c) Vitamin A Which one of the following the wound or injury or superstruments? (a) Kala-azar (c) Diptheria Direction (65–67) : The formation of the following the	 (d) Vitamin D⁻ [CDS 2006] (b) Vitamin B₁₂ (d) Vitamin C [CDS 2006] (d) Vitamin C [CDS 2006] (d) vitamin C surgical (d) Chancroid

Code :

(a) Both A and R are individually true and R is the correct explanation of A

- (b) Both A and R are individually true but R is not correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true
- 65. Assertion (A): Syphilis can be prevented by vaccination Reason (R) : Vaccination triggers the production of antibodies in the body- (2)
- 66. Assertion (A) : The deficiency of vitamin 'D' causes rickets. Reason (R) : The deficiency of vitamin 'D' leads to increased loss of Ca++ in urine. (OI)
- 67. Assertion (A): Citric acid is used in soft drink. Reason (R) : Citric acid is a good substitution of acetic acid in soft drink (d)[CDS 2006]
- 68. What is 'breakbone fever' most commonly known as ? (a) Typhoid (b) Rhinitis
 - (c) Yellow fever (d) Dengue [NDA (1) 2014]
- 69. Which one among the following is not a sexually transmitted disease ? (a) Syphilis (b) Gonorrhea
 - (c) Scurvy (d) Hepatitis B[NDA (I) 2014]
- 70. After diagnosis of disease in a person, the doctor advises the patient iron and folic acid tablet.
 - The person is suffering from
 - (a) osteoporosis (b) anaemia
 - (c) goitre
 - (d) protein-energy malnutrition [NDA (I) 2014]
- 71. Dropsy is a disease caused due to adulteration in. (b) Turmeric powder (a) Ghee (c) Mustard oil (d) Arhar Dal [NDA (I) 2014]
- 72. Which of the following statements about vitamins are correct?
 - 1. Vitamin C is essential to make connective tissue in body.
 - 2. Vitamin D is needed for synthesis of eve pigment.

 - Vitamin B₁₂ helps in maturation of RBC.
 Vitamin C is required to make use of calcium absorbed from the intestine.

Select the correct answer using the code given below.

- (a) 1 and 2 (b) 1 and 3
- (d) 1 and 4 [NDA (I) 2014] (c) 2 and 4
- 73. Which of the following diseases can be transmitted from one person to another through tattooing ?
 - 2. Hepatitis B 1. Chikungunya
 - -3. HIV-AIDS
 - Select the correct answer using the codes given below.
 - (a) 1 only (b) 2 and 3 only
 - (c) 1 and 3 only (d) 1, 2 and 3 [IAS 2013]
- 74. The normal blood pressure of human beings is in the range of
 - (a) 110/75 mm (b) 140/80 mm (c) 120/80 mm
 - (d) 110/70 mm [MTS 2014]
- 75. Who discovered that malaria is caused by a particular type of mosquito?
- (b) Henri Becquerel (a) Ronald Ross (c) Wilhelm Roentgen (d) Louis Pasteur [MTS 2014]
- 76. Bird flu is a disease that affects human beings and spreads through
 - (a) Sheep (c) Silkworm
- (b) Poultry (d) Mealworn
- [MTS 2014]

Objective General Knowledge

	eneral Knowledge
Match correctly the infectious agents given in List-I with the diseases caused by them given in List-II : List-I List-II A. Bacterium 1. Kala-azar	(a) Chicken pox(b) Poliomyelitis(c) Influenza(d) Tuberculosis (NDA 2008)
B. Fungus2. TuberculosisC. Protozoan3. InfluenzaD. Virus4. Ringworm	 86. Which one of the following insects spreads kala-azar? (a) Fruit fly (b) Tsetse fly (c) Sand fly (d) Mosqito [NDA 2008]
$\begin{array}{c c} \textbf{Codes': A} & \textbf{B} & \textbf{C} & \textbf{D} \\ (a) & 3 & 1 & 2 & 4 \\ (b) & a & a & a & a \\ \end{array}$	 87. Which one of the following glands in human body enlarged due to goiter? (a) Adrenal cortex (b) Adrenal medulla
(c) 1 2 4 3 (d) 2 4 1 3 [SSC LDC 2013]	(c) Pituitary (d) Thyroid [NDA 2008] 88. Consider the following statements— 1. Brinial is a good source of ince
 78. The vitamin which is water soluble and generally excreted in urine is (a) vitamin A (b) vitamin C 	 Pumpkin is a good source of vitamin A Which of the statement given above is/are correct?
(c) vitamin D (d) vitamin E [SCRA 2013] 79. Which one among the following may be correctly inferred	(c) Both 1 and 2 (d) Neither 1 nor 2 (NDA 2007)
if the statement 'Some patients with hypertension can be effectively treated with Amlodipine' is true ? (a) It is false that no patients with hypertension can be	(a) Pertusiss (b) Typhoid
(b) It is false that all patients with hypertension can be effectively treated with Amlodipine	 (c) Diphtheria (d) Chicken pox [NDA 2007] 90. Contaminated water can cause the following diseases except which one of the following?
(c) It is true that all patients with hypertension can be effectively treated with Amlodipine(d) It is false that some patients with hypertension can	 (a) Hepatitis A (b) Typhoid (c) Measles (d) Cholera [NDA 2007] 91. Among following which one is the highest source of
 be effectively treated with Amlodipine [SCRA 2013] 80. Which of following is involved in controlling blood sugar level— 	(a) Apple (b) Bean
(a) Pitcitary gland(b) Islets of langerhans(c) Hypothalmus(d) spleen	92 Which one of the following pairs is wrongly matched? Disease Caused by
 81. The wounds of face bleed profusely because (a) Of its rich vascularity (b) It is close to heart (c) Its skin is soft (d) Due to fast contraction of facial muscle [NDA 2009] 	(a) PneumoniaCoccus(b) Common coldVirus(c) CholeraProtozoan(d) TuberculosisBacillus[SSC CGL 2014]
82. Which one of the following pairs of disease and nature is/are correctly matched ?	
 Scurvy : Nutritional 2. Malaria : Degenerative Haemophilia : Hereditary Select the correct answer using the code given below : 	A. Iron1. Banana and GuavaB. Iodine2. Sea food
(a) 1, 2 and 3 (b) 1 and 3 only (c) 1 and 2 only (d) 2 only [SCRA-2014] 83. Nosocomial infection is	D. Thiamin (Vitamin B ₁) 4. Pulses and nuts Match List–I with List–II and select the correct answer
(a) acquired from 'nose' of humans(b) acquired from nasal cavity of animals	using the codes given below List–I (Disease) A. Cholera List–II (Causativ organism) 1. Mycobacerium
(c) hospital acquired (d) an endemic disease [SCRA-2014] 84. Match List-I (Institute) with List-II (Location) and select	B.Influenza2.MyxovirusC.Tuberculosis3.SalmonellaD.Typhoid4.Vibrio
List-I List-II	Code: A B C D (a) 3 1 2 4 (b) 3 2 1 4
B. National centre for cell science 2. Manesar C. Centre for DNA finger printing 3. Hydrabad	(c) 4 1 2 3 (d) 4 2 1 3 [NDA 2005] 95. Deficiency of which of the following elements is
D. National Brain Research centre 4. New Delhi Code : A B C D (a) 2 3 1 4	1. Calcium 2. Phosphorus
(b) 4 1 3 2	3. Nitrogen 4. Carbon

554

(c)

(d)

4

3

2 1

1

3

2

4 [NDA 2009]

- Phosphorus
 Carbon Select the correct answer using the code given below. (a) 1 and 2 only (b) 1 only
- (c) 1, 2 and 3 (d) 4 [CDS Exam I 2014]

		List-I			List-II
	Α.	Vitamin	B	1.	Pyridoxine
		Vitamin		2.	
	C.	Vitamin	D ₆	3.	Thiamine
	D.	Vitamin		4.	Riboflavin
		des : A	В	C	D
	(a)	3	4	1	2
	(b)	4	1	2	3
	(c)	1	2	3	4
	(d)	2	3	4	1 [SSC 2013]
97	011	ter coating	of a capsi	le is m	ade up of —
		Protein	5 of a capot) Calcium carbonate
		Cellulose	LEIST PERSON		
				-) Starch
98.			following		instant energy—
		Lactose		(b) Cellulose
	(c)	Maltose		60) Glucose [SSC 2002]
99.	En	zymes are	mainly_		
		Carbohy		(h)	Protein
			urate		
-		Lipids) Amino acid [SSC 2000]
100.	Ma	tch correc	tly the Nu	trient d	eficiency given in List-I
	wit	h the disea	ases caused	by the c	leficiency given in List-II
		List-I			List-II
	(a)	Iodine		1.	Microcytic anaemia
		Iron			Pernicious anaemia
		Niacin		3.	Goitre
		Vitamin I	B	4.	Pellagia
		des : A			renagia
			B	C	D
		4	2	1	3
	(b)	. 1	3	2	4
					-
	(c)	2	4	3	http://www.inter.
	(c) (d)		4 1	3 4	1 2 [SSC (LDC) 2013]
-	(d)	- 3	1	4	2 [SSC (LDC) 2013]
101.	(d) Doc	3 ctors use e estimate	1 lectrocardie the volume	4 ogram (2 [SSC (LDC) 2013]
101.	(d) Doc (a)	3 ctors use e estimate per minu detect cha	1 lectrocardie the volume te anges in the	4 ogram (e of bloc e electri	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart
101.	(d) Doc (a) (b)	3 ctors use e estimate per minu detect cha during its	1 lectrocardie the volume te anges in the s contractio	4 ogram (e of bloo e electri m and r	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation
101.	(d) Doc (a) (b) (c)	3 ctors use e estimate per minu detect cha during its determin opening a	1 lectrocardie the volume te anges in the s contractio e the chang and closure	4 ogram (e of bloo e electri on and r ges in th e of valv	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation the sound pattern during res
101.	(d) Doc (a) (b) (c) (d)	3 ctors use e estimate per minu detect cha during its determin opening a compare	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound	4 ogram (e of bloo e electri on and r ges in the of valv waves	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation ne sound pattern during res resulting from vibration
101.	(d) Doc (a) (b) (c) (d)	3 ctors use e estimate per minu detect cha during its determin opening a compare	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound	4 ogram (e of bloo e electri on and r ges in the of valv waves	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation ne sound pattern during res resulting from vibration
101.	(d) Doc (a) (b) (c) (d)	3 ctors use e estimate per minu detect cha during its determin opening a compare	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound	4 ogram (e of bloo e electri on and r ges in the of valv waves	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation ne sound pattern during res resulting from vibration uring pumping of heart
101.	(d) (a) (b) (c) (d) pro	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound cardiac mu	4 ogram (e of bloo e electri on and r ges in th of valv waves scles du	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation ne sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012]
101.	(d) Doc (a) (b) (c) (d) pro Wh	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound cardiac mu	4 ogram (e of bloo e electri on and r ges in th of valv waves scles du	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation he sound pattern during res resulting from vibration uring pumping of heart
101.	(d) Doc (a) (b) (c) (d) pro Wh hea	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat—	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound cardiac mu	4 ogram (e of bloo e electri on and r ges in th of valv waves scles du nineral i	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation the sound pattern during resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling
101.	(d) Doc (a) (b) (c) (d) pro Wh hea	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat—	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound cardiac mu	4 ogram (e of bloo e electri on and r ges in th of valv waves scles du nineral i	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation ne sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling Bromine (d) Iodine
101.	(d) Doc (a) (b) (c) (d) pro Wh hea	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat—	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound cardiac mu	4 ogram (e of bloo e electri on and r ges in th of valv waves scles du nineral i	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation the sound pattern during resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling
101.	(d) Doc (a) (b) (c) (d) pro Wh hea (a)	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat— Sodium	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound cardiac mu following m (b) Sulph	4 ogram (e of bloo e electri on and r ges in th e of valv waves : scles du nineral i ur (c)	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation the sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling Bromine (d) Iodine [UPPSC 1995]
101.	(d) Doc (a) (b) (c) (d) pro (d) pro Wh hea (a) Viru	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat— Sodium	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound cardiac mu following m (b) Sulph flue is also	4 ogram (e of bloc e electri on and r ges in th e of valv waves : scles du nineral i ur (c) known	2 [SSC (LDC) 2013] (ECG) to bd pumped by the heart cal impulses in the heart elaxation the sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling Bromine (d) Iodine [UPPSC 1995] as —
101.	(d) Doc (a) (b) (c) (d) pro (d) pro Wh hea (a) Viru	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat— Sodium	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound cardiac mu following m (b) Sulph	4 ogram (e of bloc e electri on and r ges in th e of valv waves : scles du nineral i ur (c) known 5 (c)	2 [SSC (LDC) 2013] (ECG) to bd pumped by the heart cal impulses in the heart elaxation the sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling Bromine (d) Iodine [UPPSC 1995] as — N1H 5 (d) N 5 H1
101.	(d) Doc (a) (b) (c) (d) pro (d) pro Wh hea (a) Viru (a)	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat— Sodium as of bird of NH 51	1 lectrocardie the volume te anges in the s contraction e the chang and closure the sound cardiac mu collowing m (b) Sulph flue is also (b) NH 15	4 ogram (e of bloc e electri m and r ges in th e of valv waves : scles du nineral i ur (c) <u>known</u> 5 (c)	2 [SSC (LDC) 2013] (ECG) to bd pumped by the heart cal impulses in the heart elaxation the sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling Bromine (d) Iodine [UPPSC 1995] as — N1H 5 (d) N 5 H1 RRB Allahabad/ASM 2009]
101. 102. 103.	(d) Doc (a) (b) (c) (d) pro Wh hea (a) Vir (a) The to in	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat— Sodium us of bird 1 NH 51 DPT vac mmunize a	1 lectrocardie the volume te anges in the s contraction e the chang and closure the sound cardiac mu following m (b) Sulph flue is also (b) NH 15 cine, a mix against thre	4 ogram (e of bloc e electri on and r ges in the of valv waves : scles du nineral i ur (c) known 5 (c) <i>fi</i> cture of ee medi	2 [SSC (LDC) 2013] (ECG) to bd pumped by the heart cal impulses in the heart elaxation the sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling Bromine (d) Iodine [UPPSC 1995] as — N1H 5 (d) N 5 H1 RRB Allahabad/ASM 2009] three vaccines, is used cal conditions/diseases.
101. 102. 103.	(d) Doc (a) (b) (c) (d) pro Wh hea (a) Vin (a) The to ii The	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat Sodium as of bird f NH 51 DPT vac munize a se medica	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound cardiac mu following m (b) Sulph flue is also (b) NH 15 cine, a mix against thre l condition	4 ogram (e of bloc e electri on and r ges in the of valv waves : scles du ur (c) known 5 (c) <i>[I</i> cture of ee medi s/disea	2 [SSC (LDC) 2013] (ECG) to bd pumped by the heart cal impulses in the heart elaxation the sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling Bromine (d) Iodine [UPPSC 1995] as — N1H 5 (d) N 5 H1 (RB Allahabad/ASM 2009] three vaccines, is used cal conditions/diseases. ses are
101. 102. 103.	(d) Doc (a) (b) (c) (d) pro (d) pro (d) Wh heaa (a) Vin (a) The to iii The (a)	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat— Sodium us of bird f NH 51 DPT vac mmunize a se medica Diphtheri	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound cardiac mu collowing m (b) Sulph flue is also (b) NH 18 cine, a mix against thre I condition ia, Pneumo	4 ogram (e of bloc e electri on and r ges in th e of valv waves : scles du nineral i ur (c) known 5 (c) <i>[]</i> cture of e medi s/disea nia, Tul	2 [SSC (LDC) 2013] (ECG) to bd pumped by the heart cal impulses in the heart elaxation the sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling Bromine (d) Iodine [UPPSC 1995] as — N1H 5 (d) N 5 H1 RB Allahabad / ASM 2009] three vaccines, is used cal conditions / diseases. ses are perculosis
101. 102. 103.	(d) Doc (a) (b) (c) (d) pro Wh heaa (a) Vin (a) The to iii The (a) (b)	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat Sodium as of bird f NH 51 DPT vac munize a se medica Diphtheri Diarrhoea	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound cardiac mu collowing m (b) Sulph flue is also (b) NH 15 cine, a mix against thre l condition ia, Pneumo a, Pertussis,	4 ogram (e of bloc e electri on and r ges in the of valv waves : scles du nineral i ur (c) known 5 (c) <i>[]</i> cture of e medi s/disea nia, Tul , Tetanu	2 [SSC (LDC) 2013] (ECG) to bd pumped by the heart cal impulses in the heart elaxation the sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling Bromine (d) Iodine [UPPSC 1995] as — N1H 5 (d) N 5 H1 (RB Allahabad/ASM 2009] three vaccines, is used cal conditions/diseases. ses are perculosis us
101. 102. 103.	(d) Doc (a) (b) (c) (d) pro Wh heaa (a) Vin (a) The to iii The (a) (b)	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat Sodium as of bird f NH 51 DPT vac munize a se medica Diphtheri Diarrhoea	1 lectrocardie the volume te anges in the s contractio e the chang and closure the sound cardiac mu collowing m (b) Sulph flue is also (b) NH 15 cine, a mix against thre l condition ia, Pneumo a, Pertussis,	4 ogram (e of bloc e electri on and r ges in the of valv waves : scles du nineral i ur (c) known 5 (c) <i>[]</i> cture of e medi s/disea nia, Tul , Tetanu	2 [SSC (LDC) 2013] (ECG) to bd pumped by the heart cal impulses in the heart elaxation the sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling Bromine (d) Iodine [UPPSC 1995] as — N1H 5 (d) N 5 H1 (RB Allahabad/ASM 2009] three vaccines, is used cal conditions/diseases. ses are perculosis us
101.	(d) Doc (a) (b) (c) (d) pro Wh hea (a) Vin (a) The to in The (b) (c)	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat— Sodium us of bird f NH 51 DPT vac munize a se medica Diphtheri Diarrhoea	1 lectrocardie the volume te anges in the s contraction e the chang and closure the sound cardiac mu following m (b) Sulph flue is also (b) NH 15 cine, a mix against thre l condition a, Pneumo a, Pertussis, a, Pertussis,	4 ogram (e of bloc e electri in and r ges in the of valv waves scles du nineral i ur (c) known 5 (c) <i>[</i>] cture of e medi s/disea nia, Tul , Tubero	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation the sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling Bromine (d) Iodine [UPPSC 1995] as — N1H 5 (d) N 5 H1 RB Allahabad/ASM 2009] three vaccines, is used cal conditions/diseases. ses are perculosis us
101.	(d) Doc (a) (b) (c) (d) pro Wh hea (a) Virt (a) The to in The (b) (c) (d)	3 ctors use e estimate per minu detect cha during its determin opening a compare duced by ich of the f rt beat— Sodium as of bird f NH 51 DPT vac munize a se medica Diphtheri Diarrhoea Diphtheri	1 lectrocardie the volume te anges in the s contraction e the chang and closure the sound cardiac mu following m (b) Sulph flue is also (b) NH 15 cine, a mix against thre I condition ia, Pretussis, ia, Pertussis,	4 ogram (e of bloc e electri on and r ges in the of valv waves : scles du nineral i ur (c) known 5 (c) [/] ture of e medi s/disea nia, Tul , Tetanu 5, Tetan	2 [SSC (LDC) 2013] (ECG) to od pumped by the heart cal impulses in the heart elaxation the sound pattern during res resulting from vibration uring pumping of heart [SCRA 2012] s essential for controling Bromine (d) Iodine [UPPSC 1995] as — N1H 5 (d) N 5 H1 RB Allahabad/ASM 2009] three vaccines, is used cal conditions/diseases. ses are perculosis us

	Li	ist-I			List-II	
	(A). A	nophele	es (female)	1.	Kala-az	ar
	(B) C	ulex		2.	Sleepin	g sickness
	(C) Sa	and fly		3.		
	(D) Ts	e-tse fly	7	4.	Malaria	a catalon fail
	Codes	s: A	B	С	D	
	(a)	3	2	1	4	
	(b)	4	3	1	2	
	(c)	1	4	2	3	
	(d)	2	1	4	3	[SSC (LDC) 2013]
H	05 Match	List-I	with List-II			
-	The second s	st-I			List-II	
	A. El	EG		1.	Muscl	es
	B. E(CG		2.	Eye	
	C. EC	DG 👘		3.		
	D. EN	MG		4.	Heart	
	Answ	er the al	bove questio	on usi	ng codes	3
	Code-		В	С	D	
	(a)	1	2	3	4	
	-(b) ⁷	3	4	3	1	
	(c)	1	4	3	1	
	(d)	4	3	2	1	[UPPCS 2007]

107.Regular intake of fresh fruits and vegetables is recommended in the diet since they are a good source of antioxidants help a person to maintain health and promote longevity ?

- (a) They activate the enzymes necessary for vitamin synthesis in the body and help prevent vitamin deficiency.
- (b) They prevent excessive oxidation of carbohydrates, fats and lproteins in the body and help avoid unnecessary wastage of energy
- (e) They neutralize the free radicals produced in the body during metabolism
- (d) They activate certain genes in the cells of the body and help delay the ageing process [CSAT 2011]
- 108. A company marketing food products advertises that its item do not contain trans-fats. What does this compaign signify to the customers ?
 - The food products are not made out of hydrogenated 1. oils.
 - 2. The food products are not made out of animal fat/ oils
 - The oils used are not likely to damage the 3. cardiovascular health of the consumers

Which of the statements given above is/are correct?

- (a) 1 only (b) 2 and 3 only
- (c) 1 and 3 only (d) 1, 2 and 3 [CSAT 2011]
- 109. Which one among the following elements/ions is essential in small quantities for development of healthy teeth but causes mottling of the teeth if consumed in higher quantities ? (a) Iron
 - (b) Chloride (c) Fluoride
 - (d) Potassium [CDSI 2011]
- 110. Which of the following diseases are transmitted from one person to another ?
 - T. AIDS 3. Hepatitis B
- 4_Syphilis
- Select the correct answer using code given below : (a) 1, 2, 3 and 4
- (c) 1 and 2 only
- (b) 1, 3 and 4 only

Cirrhosis

(d) 2, 3 and 4 only

- 111. Due to contraction of eveball, a long sighted eve can see only-(a) Farther objects which is corrected by using convey lens

 - (b) Farther objects which is corrected by using concave lens
 - (c) Nearer objects which is corrected by using convey lens
 - (d) Nearer objects which is corrected by using concave [CDSI 2011] lens
- 112. Insects that can transmit diseases to human are referred to as-
 - (a) Carriers (b) Reservoirs
 - (e) Vectors (d) Incubators [CDSI 2011]

Direction (113-114) : The following six items consist of two statements statement I and statement II. You are to examine these two statements carefully and select the answer to these item using the code given below-

Code

- (a) Both the statements are individually true and statement II is the correct explanation of statement I
- (b) Boththestatementsareindividuallytruebutstatement II is not the correct explanation of statement I
- (c) Statement I is true but statement II is false
- (d) Statement I is false but statement II is true
- 113. Statement I: A myopic person is advised to use concave lens.
- Statement II : The eye lens of a myopic person focuses the paralled rays coming from distant. Objects in front of the retina
- 114. Statement I : Oxidation in our body cell releases dangerous free radicals.
 - Statement II : Our body itself produces antoxidants to neutralize harmfull free radicals. [NDA 2011]
- 115. White lung disease is prevalent among the worker of-(b) Cement Industry (a) Paper Industry (c) Cotton Industry (d) Pesticide Industry
- 116. The vector of disease sleeping sickness is-
 - (a) Sand-fly (b) House-fly
 - (c) Fruit-fly
- (d) Tse-tsefly [SSC 2011]

120. Female Anopheles mosquito is the vector of : (b) Yellow fever (a) Dengue fever (d) Filariasis [SSC (LDC) 201 (c) Malaria 121. Endoscope, used by doctors for examining the inside of a patient's stomach, work on the principle of : (b) Dispersion of light (a) Reflection of light (c) Refraction of light (d) Total internal reflection of light 122. How much protein a working woman must intake everyday ?

117. Who invented the vaccination for small pox-

(e) Edward Jenner

(c) Tubercle bacilus

(b) A wild animal

119. What is Catharisis ?

(a) Circulation of blood

(a) A bird in New-Zealand

(d) A character in Greek drama

(a) Sir Fredrick Grant Banting (b) Sir Alexander Fleming

118. Alexander Fleming is associated with the discovery of :

(d) Louis Pasteur [SSC 2011]

(d) Penicillin [SSC 2011]

[JPSC 2011]

(b) Laws of heredity

(c) Emotional release

- (d) 45 g (a) 30 g (b) 37 g (c) 40 g [JPSC 2011]
- 123. n medicine bottles containing tablets or capsules, a small pouch of silica gel is kept to :
 - (a) absorb moisture (b) absorb gases
 - (c) keep the bottle warm (d) kill bacteria [SSC 2013]
- 124. Lead, ingested or inhaled, is a health hazard. After the addition of lead to petrol has been banned, what still are the sources of lead poisoning?
 - 1. Smelting units 2. Pens and pencils
 - 3. Paints 4. Hair oils and cosmetics
 - Select the correct answer using the codes given below :
 - (a) 1, 2 and 3 only (b) 1 and 3 only
 - (c) 2 and 4 only (d) 1, 2, 3 and 4 [IAS 2012]

Answers and 7. (d) 10. (b) 11. (d) (a) 13. (c) 1, (b) 2. (d) 3. (c) 4, (b) 5. (d) 6. (d) 8. (a) 9. (c) 12 24. 25. 20. (b) 21. (c) 22. (b) 23. (b) (c) (b) 26. (d) 14. (a) 15. (b) 16. (c) 17. (b) 18. (d) 19. (a) 37. (d) 38. (c) 39. 33. (b) 34. (a) 35. (a) 36. (d) (a) 31, (d) 32. (d) 27. (b) 28. (a) 29. (a) 30. (b) 51. 52. (b) 48. (b) 49. (b) 50. (a) (b) 41. (a) 42. (d) 43. (c) 44. (d) 45. (b) 46. (c) 47. (a) 40. (c) 63, (c) 65. 59. (a) 60. (d) 61. (a) 62. (c) 64. (d) (d) 54, (c) 55. (d) 56. (b) 57. (c) 58. (c) 53. (c) 78. 70. (b) 71. (c) 72. (b) 73. (b) 74. (c) 75. (a) 76. (b) 77. (d) (b) 66. (a) 67. (d) 68. (d) 69. (c) 87. (d) (b) 90. 91. 86. (c) 88. (b) 89. (c) 84. (b) 85. (d) 79. (b) 80. (b) 81. (a) 82. (b) 83. (c) 95. (a) 96. (a) 97. (d) 98. (d) 99. (b) 100. (d) 101. (b) 102. (d) 103. (d) 104. (d) 94. (d) 92. (c) 93. (c) 109. (c) 110. (b) 112. (c) 113. (a) 116. (d) 117. 111. (a) 114. (c) 115. (c) (c) 105. (b) 106. (b) 107. (c) 108. (a) 122. (d) 123. (a) 124. (d) 118. (d) (c) 121. (d) 119. (c)

Who is the father of Genetics ? 1. (a) Darwin (b) Mendel

- Word gene was given by-2.
- (a) Morgan (b) Mendal Unit of heredity is-
 - (a) Gene
 - (c) Chromatin
- Mendal worked on-
 - (a) Edible pea
 - (c) Garden pea

- (c) Bridge (d) Wiseman
- (c) Johansen (d) D Bridge
- (b) Chromosomes
- (d) None of these
- (b) Wild pea
- (d) Pegion Pea

- 5. Gene are made up of-
- (b) RNA (d) Protein

(b) Mutation principle

- Gregor Johann Mendel is famous for-
- (a) Cell theory
- (c) Law of heredity
- (d) Heredity of acquired characters
- Three law of heredity given by Mendal relate-7.
 - (a) Gene linkage, Segregation and Independent assortments
 - (b) Gene linkage, Dominance and segregation

6.

7. Genetics

(a) DNA

(c) DNA & RNA

(c) Segregation, Indendent assortments and dominance(d) Segregation, Independent assortments and gene	(a) Lamarck (b) Darwin (c) Hugo devries (d) Mendal
linkage design of the base of the second state of the	25. Genetic material found in cell is—
 Mendal select pea plant for his experiment because— (a) They are cheaper 	(a) DNA(b) RNA(c) Protein(d) Carbohydrate
(b) These are easily avilable(c) These are of great economic importance	26. Artificial gene synthesis was first done in laboratory by-
(d) They have contrasting fraits	(a) Millar (b) Khurana (c) D. Veries (d) Kelvin[43th BP5C(1999]
9. An exception to Mendel's principles/ Mendel did not include in his discoveries.	27. Transmission of characters from one generation to next is called—
(a) Dominance (b) Purity of gametes	(a) Evolution (b) Heredity (c) Genetics (d) Mutation
(c) Linkage (d) Independent assortment	28. Double helix model of DNA ia given by—
 Mendel's law were rediscovered by— (a) Correns (b) Tshermak 	(a) Leween hook (b) Salach (c) Watson and Crick (d) Dalton <i>[RRB 2005]</i>
(c) Deveries (d) All of these	29. Hereditry characters of parent is transfered to their
11. Mendel's second law is the law of—	offspring by-
(a) Independent assortment (b) Segregation	(a) Blood (b) Harmone
(c) Dominance (d) Polygenic inheritance	(c) Chromosomes (d) None of these
12. Which one is exception to Mendel's principle of dominance ?(a) Wild pea (b) Mirablius (c) Garden pea (d) Maize	30. All offspring of a parents are not similar due to—(a) Variation(b) Variation in environment(c) Both a and b(d) None of these
 Mendel's law of independent assortment is based on F₂ ratio of — 	31. Deploid number of chromosome in man is—
(a) $1:2:1$ (b) $9:3:3:1$	(a) 23 (b) 24
(c) 2:1 (d) 3:1	(c) 46 (d) Indefinite number
14. Genes are situated on—	32. A child is male when
(a) Chromosome (b) Mitochondria	(a) Child have XXYY chromosome(b) Child have YY chromosome
(c) Plastids (d) Ribosomes	(c) Child have XY chromosomes
 In humans, height shows a lot of variation. It is an example of— 	(d) Child have XX Chromo
(a) Multiple alloles (b) Pleiotropic inheritance	33. Who is responsible for the sex determination of a child—
(c) Polygenic inheritance (d) Pseudoalleles	(a) Father(b) Mother(c) Both mother and father(d) None of these
16. Gene located at the same locus but having different expression are—	34. Number of autosomes in human sperm—
(a) Multiple alleles (b) Oncogenes	(a) 20 pairs (b) 21 pairs (c) 22 pairs (d) 23 pairs
(c) Polygenes (d) Codominants	35. By which combination of chromosome a child will be
17. Monohybrid ratio of Mendal's cross is—	male— (a) X from male and X from female
(a) 9:3:3:1 (b) 3:1	(b) X from male and Y from female
(c) 1:1 (d) 2:1	(c) Y from male and X from female
18. Who got noble prize for artificial synthesis of DNA.(a) M. Calvin (b) Khorana (c) Tatum (d) Kornberg	(d) Y from male and Y from female [MPPSC 2004-2005]
19. One gene one enzyme theory is given by—	 36. Which one of following is a sex linked disease— (a) Leprosy (b) Tuberculosis
(a) Watson and Crick (b) Hergovind Khurana	(a) Leprosy (b) Tuberculosis (c) Colour blindness (d) Leukamea
(c) Beadle and Tatum (d) Morgan	37. In the context of genetic disorders, consider the
20. Mendel's law apply only when—	following-
(a) Characters are linked(b) Parents are pure breeding	A women suffer from colour blindness while her
(c) F_1 monohybrid ratio shows two type of individuals	husband does not suffer from it. They have a son and a daughter. In this context, which one of the following
(d) First pair of contrasting characters is dependent	statements is most probably correct?
upon other pairs	(a) Both children suffer from colour blindness
1. Human beings have—	(b) Daughter suffer from colour blindness while son does not suffer from it
(a) 23 pairs of chromosomes (b) 24 pair of chromosomes	(c) Both children do not suffer from colour blindness
(c) /2 pairs of chromosomos (d) 76 pair of chromosomos	
(c) 25 pairs of chromosomes (d) 26 pair of chromosomes	
2. Sex chromosome in human male are named—	(d) Son suffers from colour blindness while daughter does not suffer from it. [IAS (Pre) 2009]
	 (d) Son suffers from colour blindness while daughter does not suffer from it. [IAS (Pre) 2009] 38. A colour blind person cannot distinguish—
 Sex chromosome in human male are named— (a) XX (b) XO 	 (d) Son suffers from colour blindness while daughter does not suffer from it. [IAS (Pre) 2009] 38. A colour blind person cannot distinguish— (a) Black and yellow (b) Red and green
 22. Sex chromosome in human male are named— (a) XX (b) XO (c) XY (d) None of these 33. Chromosomes are best seen in— (a) Interphase (b) Prophase 	 (d) Son suffers from colour blindness while daughter does not suffer from it. [IAS (Pre) 2009] 38. A colour blind person cannot distinguish— (a) Black and yellow (b) Red and green (c) Yellow and white (d) Green and blue
 2. Sex chromosome in human male are named— (a) XX (b) XO (c) XY (d) None of these 3. Chromosomes are best seen in— 	 (d) Son suffers from colour blindness while daughter does not suffer from it. [IAS (Pre) 2009] 38. A colour blind person cannot distinguish— (a) Black and yellow (b) Red and green

1

557

58		Objective Gene	eral Kn	owledge
	For a colour blind person re (a) Yellow (c) Green	ed colour appear as— (b) Blue (d) Voilet [SSC Section officer 2008]	54.	Circular DN (a) E.R and (b) Riboson (c) Riboson
	A colour blind person man blindness is produced in the (a) Son (c) Son of their son	rry with a normal women. eir— (b) Daughter	55.	(d) MitocheNucleic acid(a) Nucleot(c) Amino a
12.	(d) Daughter of their daughGenetic identity of human r(a) Nucleolus(c) Autosomes	(b) Cell organelles(d) Sex chromosomes	56.	Coded infor (a) Arrange (b) Position (c) Number
	could be— (a) Normal (c) Haemphilac	(b) Carrier(d) All of these	57.	(d) All the aNucleotide(a) Cytosin(c) Thymin
14.	Genes located on mitochone(a) Generally show matern(b) Are always inherited fr(c) Show hipa rental inherit	al inheritance om male parent	58.	RNA contai (a) Hexose (c) Fructose
	 (d) Are not inherited like the Haemophilia is due to— (a) Dominant autosomal ge (b) Recessive autosomal ge 	he nuclear gene. genes		Which type (a) Straight (c) Circular (d) Membra
16 .	 (c) Recessive sex linked ge (d) Dominant sex linked ge Nucleoside is— (a) Nitrogenous base + Sug 	ene	60.	Which one human bein (a) Huntin (c) Rheuma
	(b) Nitrogenous base + Sug(c) Sugar + Pohosphate(d) Nitrogenous base + Pho	gar + Phosphate osphate	61.	Which one (a) Catarac (c) Pellagra
	Synthesis of DNA is called- (a) Replication (c) Termination Genetic code is a—	(b) Transcription(d) Amination	62.	Which one Cretinism is secretion of
49.	(a) Singlet(c) TripletExperimental evidence to s	(b) Doublet(d) None of theseshow that the genetic code is		(a) Adrena (c) Glucag
	 a triplet code was provided (a) George Gamow (b) Watson & Crick (c) Nirenbery and Mathaes (d) None of these 	l by	63.	Which one(a) Adenin(b) Thymir(c) Uracil,(d) Guanin
50.	In genetic dictionary there (a) 64 amino acids are to b (b) 64 types of t RNA are p (c) There are 44 nonsense (d) Genetic code is triplet	e coded	64.	Differentiat organism is (a) Differen (b) Develo (c) Delatio
51.		enetic information from DNA IA from DNA is— (b) Transcription (d) Translocation	65.	(d) Lethal 1Nucleosom(a) Only hi(b) Both D

52. Who proved that DNA is the basic genetic material ?

- (a) Griffith (b) Watson
- (d) Hershey and Chase (c) Boveri and sutton
- 53. Characters are transferred from parents to progeny through-

 - (a) DNA (c) Protein
- (b) RNA
- (d) Phospholipids

- r DNA is present in
 - and Ribosomes
 - osomes and chloroplasts
 - osomes and mitochondria
 - tochondria and chloroplasts
- acids are made of—
 - (b) Nucleosides cleotides
 - (d) Protein nino acids
- infomation in nucleic acid depend uponrangement of nucleotides
 - sition of nucleotides
 - mber of nucleotides
 - the above
- tide base present in DNA and not RNA is-
 - (b) Uracil tosin
 - (d) Guanine ymine
- ontains-
- (b) Ribose
- (d) Glucose ictose
- type of DNA is found in bacteria?
 - aight DNA (b) Helical DNA
 - cular DNA
 - embrane bound DNA
- one of the following is not a genetic disease in beings?
 - intington's chorea (b) Phenylketonuria
 - eumatic heart disease (d) Tay-Sach's disease

one of the following is a hereditary disease ?

- (b) Haemophilia taract
 - (d) Osteoporosis llagra [NDA 2006]
 - one of the following statements is correct ? sm ia human disorder which is due to the under
- on of-Irenalin harmone (b) Cortisone harmone
- ucagon harmone (d) Thyroxin harmone

[NDA 2007]

- one of the following is wrongly matched
 - lenine, Thymine Purines
 - ymine, Uracil Pyremidines
 - acil, Cytosine Pyrimidines
 - anine, Adenine Purines
- entiation of organs and tissues in a developing sm is associated with
 - fferential expression of genes
 - evelopment mutations
 - elation of genes
 - thal mutation
 - osome contains—
 - ly histones
 - oth DNA and histones
 - (c) Only DNA
 - (d) Both DNA and RNA
- 66. DNA molecule has small units called-
 - (a) Purines
 - (b) Adenine and thymine
 - (c) Cistron, muton and recone
 - (d) Adenine

- Biology 67. Process in which part of a DNA bacterial cell is transferred to another through virus is-(a) Reproduction (b) Conjugation (c) Transduction (d) Transformation Codes : A 68. Nucleic acid occur in-3 (a) (a) Viruses (b) Bacteria (b) (c) Mammal 4 (d) All form of life (c) 4 69. Smallest part of DNA that undergoes recombination is : (d) 3 (a) Muton (b) Cistron (c) Replicon (d) Recon 70. DNA strand have (a) Quaternary structure (b) Same polarity (c) Antiparallel polarity (d) Disulphid bond 71. In a Mendelian experiment, breeding of tall pea plants (d) Non-clotting of blood (TT) bearing violet flowers (WW) was done with short pea plants (tt) bearing white flowers (ww). The progeny all bore violet flowers, but almost half of them were short. The genetic make-up of the tall parent can be 1. TTWW 2. TTww 3. TtWW 4. TtWw of A. Which of these make-ups is/are correct? (a) 1 and 2 only (b) 2 and 3 only of A (c) 4 only ISCRA-20141 (d) 3 only 72. Which one is correctly matched— (a) Down syndrome — 44 autosome + XO 81. Assertion (A) : (b) Klinfelter's syndrome - 44 autosomes + XXY (c) Erythroblastosis foetalis - X linked (d) Colour blindness - Y linked
 - 73. Gene is :
 - (a) Particular DNA segment which determines heredity of a particular trait
 - (b) Half DNA segment of somatic cells
 - (c) Whole DNA
 - (d) Half DNA segment
 - 74. Find out the mismatched—
 - (a) Klinefelter's syndrome XO
 - (b) Haemophilia Sex linked
 - (c) Down's syndrome Autosomal aneuploidy
 - (d) Turner's syndrome female with retarted sexual development
 - 75. Branch of biology which deal with the study of heredity
 - (a) Cytology (b) Evolution
 - (c) Genetics (d) Phisology
 - 76. Which of the following professional are more likely to run the risk of a permanent change in their cell's DNA?
 - 1. Rescarchers using carbon 14 isotope
 - 2. X-ray technician
 - 3. Coal miner 4. Dyer and painter Code: (a) 2 alone (b) 1, 2 and 3
 - (c) 1, 2 and 4 (d) 1, 3 and 4 [IAS 1996]
 - 77. Which one of the following techniques can be used to establish the paternity of a child ?
 - (a) Protein analysis
 - (b) Quantitative analysis of DNA
 - (c) Chromosom counting
 - (d) DNA finger printing

[IAS (Pre) 1997]

[SSC Ste. 2013]

78. Match List-I with List-II and select the correct answer using the codes given below : List-I

List-II

A. Theory of mutation 1. Beadle and Tatum B. Theory of evolution 2. Jacob and monod C. One gene one enzyme hypothesis 3. Darwin D. Operon concept 4. De Vries B C D 4 1 2 3 2 1 3 2 1 2 4 1 [IAS (Pre) 1998]

79. Haemophilia is a genetic disorder which lead to-

- (a) Decrease in haemoglobine level
- (b) Rheumatic heart disease
- (c) Decrease in WBC

- [IAS (Pre) 1998]
- 80. Assertion (A): Insect resistance transgenic cotton has been produced by inserting Bt gene.

Reason (R) : The Bt gene is derived from a bacterium.

- (a) Both A and R are true and R is the correct explanation
- (b) Both A and R is true but R is not a correct explanation
- (c) A is true but R is false
- (d) A is false but R is true
- Dolly was the first cloned mammal Reason (R) : Dolly was produced by invitro fertilization.
- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not a correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true [IAS (Pre) 1999]
- 82. Which one of the following genetic disease is sex-linked? (a) Royal haemophilia (b) Tay-sachs disease
 - (c) Cystic fibrosis (d) Hypertension
 - [IAS (Pre) 1999]

[IAS (Pre) 1999]

- 83. Assertion (A) : In human being the female play a major role in determining the sex of the offspring.
 - Women have two X-chromosomes. Reason (R)
 - Codes:
 - (a) Both A and R are true and R is the correct explanation of A.
 - (b) Both A and R is true but R is not a correct explanation of A
 - (c) A is true but R is false
 - (d) A is false but R is true
- 84. Assertion (A) :
 - DNA finger printing has became a powerful tool to establish paternity and identity of criminal in rape and assault cases.

Reason (R)

Trace evidences such as hair, saliva and dried semen are adequate for DNA analysis.

Codes:

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R is true but R is not a correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

[IAS (Pre) 2000]

[IAS (Pre) 2000]

OF Jacob appletent applete alant have been consticulty	91. At present scientists can determine the arrangement
 85. Insect resistant cotton plant have been genetically engineered by inserting a gene from a— (a) Virus (b) Bacterium 	or relative position of genes or DNA sequances on a chromosome. How does this knowledge benefit us?
(c) Insect (d) Plant [IAS (Pre) 2000]	1. It is possible to know the pedigree of livestock
86. When one gene controls two or more different characters	2. It is possible to understand the causes of all human
simultaneously, the phenomena is called—	diseases
(a) Apomixis (b) Pleiotropy	3. It is possible to develop discase resistant animal
(c) Palyploidy (d) Palyteny	breeds Which of the statements given shows is (are correct?
[IAS (Pre) 2002]	Which of the statements given above is/are correct?
87. Hybridoma technology is a new biotechnological	(a) Fand 2 only (b) 2 only
approach for commercial production of—	
(a) Monoclonal antibodies (b) Interferon	92. Which one among the following is not correct about
	Down's Syndrome ?
	(u) it is a generic aboraci
88. Match List-I with List-II and select the correct answer	
using the codes given below :	(c) Effected person has mental retardation
List-I List-II	(d) Effected person has furrowed tongue [CDSI 2011]
A. Discovery of transduction and 1. Khurana	93. The first cloned animal Dolly was a—
conjugation	(a) Doy (b) Rabbit (c) Cat (d) Sheep
B. Establishing the sex-linked 2. Korenbery	[SSC 2011]
inheritance	94. Number of chromosome in a normal human body cell is—
C. Isolation of DNA polymarase from 3. Lederberg E coli	(a) 43 (b) 44 (c) 45 (d) 46 [SSC 2011]
D. Establishing the complete genetic 4. Morgan	95. Genetics deals with—
code	(a) Mendel's laws (b) Organic evolution
Select the correct answer using codes	(c) DNA structure (d) Heredity and variation
Codes : A B C D	[BPSC 2011]
(a) 4 3 2 1	96. Mendel's principles of inheritance are based on-
(b) $3 \ 4 \ 1 \ 5$	(a) Vegetative reproduction (b) Asexual reproduction
(c) 4 3 1 5	(c) Sexual reproduction (d) All of the above
	The second s
89. Colour blindness in which all colours are preceived as	of—
gray, is termed as—	(a) Blending of genes (b) Chromosomal changes
(a) Chromasia (b) Dichromasia	(c) Shuffling of genes (d) All of the above
(d) All of these	[BPSC 2011]
90. Queen Victoria of England was—	
(a) AIDS Patient (b) Deaf	(a) 14th February (b) 14th May
(c) Haemophiliac (d) Colour blind	(c) 14th September (d) 14th November
in the set of the second of the set of the set of	(c) 14ul september (d) 14ul November
An An	Iswers and the second
	7. (c) 8. (d) 9. (c) 10. (d) 11. (b) 12. (b) 13. (b)
	0. (b) 21. (a) 22. (c) 23. (c) 24. (c) 25. (a) 26. (b) 3. (a) 34. (c) 35. (c) 36. (c) $37.$ (d) 38. (b) 39. (b)

Objective General Knowledge

98. (d) **18**. Evolution

46. (a)

59. (c)

72. (b)

85. (b)

47. (a)

60. (c)

73. (a) 74. (a)

86. (b) 87. (a)

A true species in mauritius failed to reproduce because 1. of the extinction of a fruit eating bird. Which one of the following was that bird ?

43. (b)

56. (a)

69. (d)

82. (a)

95. (d)

44. (a)

57. (c)

70. (c)

83. (d)

96. (c)

(a) Dove (b) Dodo (c) Condor (d) Skua

42. (d)

55. (a)

68. (d)

81. (d)

94. (d)

40, (c)

53. (a)

66. (c)

79. (d)

92. (b)

41. (d)

54. (d)

67. (c)

80. (b)

93. (d)

560

[LAS (Pre) 1998]

45. (c)

58. (b)

71. (d)

84. (a)

97. (d)

- 2. Within ecological communities, some species are important in determining the ability of a large number of other species to persist in the community such species are called-
- (a) Keystone species

48. (c)

61. (b)

- (c) Sympatric species
- (b) Allopatric species

51

64.

90.

(b)

(a)

(d)

(c)

52. (d)

65. (b)

78. (b)

91. (c)

(d) Threatened species

[IAS (Pre) 2000]

- 3. In the context of organic evolution, the loss of limbs in snakes is explained by the phenomenon of-
 - (a) Use and disuse of organs
 - (b) Adaptation to living in burrows
 - (c) Natural selection
 - (d) Inheritance of acquired characters

49. (c)

62. (d)

75. (c)

88. (d)

50. (d)

63. (a)

76. (c)

89. (c)

[LAS (Pre) 2002]

- 4. Among living organisms, which one of the following is the most responsible factor for bringing about the origin of a new species ?
 - (a) Isolation (b) Mutation
 - (c) Natural selection (d) Sexual reproduction
 - [IAS (Pre) 2002]

[IAS (Pre) 2009]

- With reference to the evolution of living organism, which one of the following sequance is correct—
 - (a) Octopus Dolphin Shark
 - (b) Pangolin Tortoise Hawk
 - (c) Salamander Python Kangaroo
 - (d) Frog Crab Prawn
 - The most accepted theory of origin of life is ----
 - (a) Theory of spontaneous generation
 - (b) Oparin Haldane theory
 - (c) Theory of special creation
 - (d) Theory of eternity of life
- The first organism were—
 - (a) Saprophytes (b) Autotrophs
 - (c) Heterotrophs (d) None of above
- 8. Life appeared first—
 - (a) Soil (b) Air (c) Water (d) Air
 - (d) Air and water both
 - There is no life on moon because of absence of-
 - (a) Water (b) Oxygen
 - (c) Nitrogen (d) Hydrogen
- Evolutionary development of a species can be best studied by—
 - (a) DNA analysis
 - (b) Finding age by carbon dating
 - (c) Studying fossils of this species
 - (d) All of above
- 11. Human evolution is originated in-
 - (a) Africa (b) Jawa
 - (c) France (d) China
- Wings of pigeon, bat and mosquito exhibit the phenomen on called—
 - (a) Convergent evolution (b) Divergent evolution
 - (c) Atavism (d) All of these
- Which of the following all includes homologous organs—
 - (a) Wing of butterfly, wing of a bird, and wing of bat
 - (b) Fore limb of frog, wing of birds, and fore limb of rabbit
 - (c) Thorocic leg of cokroach, hind leg of a frog and fore limb of rabbit
 - (d) Wing of a bird, wing of a bat and wing of a flying lizard.
- 14. Homologous organs are-
 - (a) Dissimilar origin and dissimiar structure
 - (b) Dissimilar origin but similar function
 - (c) Similar origin with similar or dissimilar function
 - (d) Similar origin with dissimilar function
- 15. Fossilization can occur where—
 - (a) Animals are buried by natural process
 - (b) Animals are destroyed by scavengers
 - (c) Animals are eaten by predators
 - (d) Animals are destroyed by environmental condition

- 'Ontogeny repeats phylogeny' is the brief definition of—
 - (a) Mutation theory (b) Biogenetic law
 - (c) Darwinism (d) Abiogenesis
- Russian scientist who proposed the theory of origin of life was—
 - (a) Oparin (b) Haldane (c) Miller (d) Fox
- 18. Earth originated in the past period of about—
 - (a) 4.5 billion years (b) 8.0 billion years
 - (c) 3 billion years (d) 1 billion year
- The scientist associated with formulation of modern theory of origin of life and having written origin of life was—
- (a) Oparin (b) Huxley (c) Lamark (d) Darwin20. Tusks of elephant are—
- (a) Cannines

(c) Molar

(b) Upper incisors

561

- (d) Lower incisors
- 21. Lamarck's theory of evalution is also called-
 - (a) Survival of the fittest
 - (b) Special creation theory
 - (c) Inheritance of acquired characters
 - (d) None of these
- 22. Who published the book 'Origin of species by natural selection in 1859'?
 - (a) Lamarck (b) Darwin
 - (c) Wallace
- (d) Oparin [SSC 2013]
- 23. The concept of survival of the fittest as advanced by
 - (a) Charles Lyell (b) Charles Darwin
 - (c) Herbert Spencer (d) Alfred Russel Wallace
- 24. Natural selection really means-
 - (a) Struggle for existance
 - (b) Differential reproduction
 - (c) Survival of the fittest
 - (d) Elimination of the unfit
- 25. Analogous organs are-
 - (a) Similar in structure
 - (b) Similar in function
 - (c) Similar in structure and function both
- (d) Organ are nonfunction
- 26. Homologous organ are-
 - (a) Similar in structure (b) Similar in function
 - (c) Similar in both structure and function
 - (d) Disimillar in structure
- Most important theory of general biology was proposed by—
 - (a) Mendal and Morgan (b) Beadle and tatum
 - (c) Watson and Crick (d) Darwin and Wallace

(b) Otter

(d) Walrus

- 28. Lamarekism fail to explain-
 - (a) Degenerate eyes of cave inhabiting animals
 - (b) Long neck and fore limbs of Giraffe
 - (c) Lack of limbs in snakes

(a) Dolpin

(c) Turtle

- (d) Medicore ability of nobel laureate's children
- 29. Which one of fallowing is a vestigeal organ in man?
 - (a) Muscles ear lobe (b) Teeth (c) Illeum (d) Ear lob
- (c) Illeum (d) Ear lobe30. From the evolutionary point of view, which one among

the following is the most primitive animal?

- 38. Evolutionary history of an organism is known as-31. Chose the correct sequeance during formation of (b) Phylogeny chemicals on early earth-(a) Ontogeny (d) Paleontology (a) Ammonia, water, nucleic acid and protein (c) Ancestry (b) Ammonia, protein, Carbohydrates and nucleic acid 39. Industrial melanism is an example of-(c) Ammonia, nucleic acid, protein and carbohydrate (a) Drug resistance (d) Protein, carbohydrate, water and nucleic acid (b) Darkeing of skins due to smoke from industries (c) Protective resemblance with the surroundings 32. Which of the following is most primitive ancestor of (d) Defensive adoptation of skin against ultraviolet man? radiations (a) Homo habilis (b) Ramapothecus (d) Homo neanderthalenis (c) Australopithecus 40. Which f the following features is closely related specialy with the evolution of human? 33. The early stage of human embryo distinctly (a) Loss of tail (b) Binocular vision possesses-(d) Shortening of jaws (a) Gill (c) Flat nails (b) Gill slits (d) Evehrous (c) External ear 41. Convergent evoluton is illustrated by-34. Which ancestor of man for the first time began the bipedal (a) Rat and dog (b) Bacterium and protozoa locomotion? (c) Star fish and cuttle fish (a) Cromagnon man (b) Australopithecus (c) Java-opeman (d) Peking man (d) Dog fish and whales 35. Homo sapien directly evolved from-42. Gene pool is— (a) Genotype of individuals of a population (a) Perking man (b) Java man (b) Different genes of all dividuals of a species (c) Neanderthal (d) Austrolopithecus (c) Pool of artificially synthesised genes 36. Which of the following book is most accepted world (d) Gene of a genome wide? (a) Philosophic zodogique 43. Geographic and reproductive isolation bring about-(b) Origin of life (a) Extinction (b) Ovar production (c) Origin of species (c) Speiciation (d) Competition (d) Mutation and origin of species 44. Presence of gill in the tadpole of frog indicates that (a) Fish evolved from frog llike ancestor 37. Early atmosphere contained methane and other hydrocarbons they have been now replaced by-(b) Frogs will have gills in future (c) Frogs evolved from gilled ancestor (b) Oxygen (a) Nitrogen
 - (c) Carbon dioxide (d) Hydrogen

- - (d) Fishes were amphibious in the past

🛚 Answers 🛤

1. (b)	2. (a)	3.	(a)	4.	(a)	5.	(c)	6.	(b)	7.	(c)	8.	(c)	9.	(a)	10.	(c)	11.	(a)	12.	(a)	13.	(b)
14. (c)	15. (a)	16.	(b)	17.	(a)	18.	(a)	19.	(a)	20.	(d)	21.	(c)	22.	(b)	23,	(c)	24.	(b)	25.	(b)	26.	(a)
	28. (d)								(c)	33.	(b)	34.	(b)	35.	(a)	36.	(c)	37.	(c)	38.	(b)	39.	(c)
40, (a)	41. (d)	42.	(b)	43.	(c)	44.	(c)		North N	ing and a second													

9 Ecology

- The term ecology is first given by-1. (a) Robbert brown
 - (b) Aristotal
 - (d) Reiter
- Study of inter relationship between living organism and 2. their environment is called-
 - (a) Plant Geography (b) Ecology
 - (c) Plant social science (d) Ecosystem
- Autecology mean-3.

(c) Khurana

- (a) Effect of soil on plant
- (b) Effect of temperature on plant
- (c) Effect of transpiration on plant
- (d) Relationship of species with their environment
- The term ecosystem is first given by-
- (a) Reiter (b) Aristotal (c) Tansley (d) Haeckel 5. Ecosystem may be defined as-
- (a) A species 'along with environment
 - (b) Plant found in water (c) Plants found on land
 - (d) All plant and animal species along with environment

- Two components of ecosystem are-
 - (a) Herb and shurb (b) Abiotic and biotic
 - (c) Frog and Human (d) Plant and animal
- 7. Which one of the following is abiotic component of ecosystem-
 - (a) Bacteria (b) Chlorella
 - (d) Human (c) Water
- 8. Which of the following is correct energy flow in a ecosystem-
 - (a) Producer → Carnivorous → Herbivorous → Decomposer
 - (b) Producer → Herbivorous -➤ Carnivorous → Decomposer
 - (c) Herbivorous → Carnivorous → Producer → Decomposer
 - (d) Herbivorous → Producer → Carnivorous →
 - Decomposer

- 9. Primary consumer of a ecosystem is-
 - (a) Producer (b) Herbivorous
 - (c) Carnivorous (d) Decomposer
- Producer of an ecosystem—
 - (a) Convert organic compound into inorganic compound
 - (b) convert solar energy into chemical energy
 - (c) Use chemical energy (d) Release energy
- 11. Main source of energy in a ecosystem is-
 - (b) Stored sugar in a plant (a) Sun light
 - (c) Heat released during fermentation
 - (d) Heat released during respiration
- 12. In a ecosystem the largest number is that of-
 - (a) Primary producer (b) Primary consumer
 - (c) Secondary consumer (d) Decomposer
- 13. Removal of top soil by air & water is called-
 - (a) Erosion (b) Fossilisation
 - (c) Calcination (d) Salination
- 14. Soil erosion can be controled by-
- (a) By grazing more and more (b) By removal of plant (c) By afforestation (d) By increased population
- 15. Flood can be cheaked out-
 - (a) By making slope (b) By cutting forest
 - (c) By making dam and planting the tree
 - (d) None of these
- 16. Mangroove are found in-
 - (a) Dehradun (b) Kulu
 - (c) Sundervan (d) Western Ghat
- 17. Main component of Mangroove plants is-
 - (a) Rhizophora (b) Ficus
 - (c) Mangifera (d) Procepus
- 18. The Millennium Ecosystem Assessment describes the following major categories of ecosystem servicesprovisioning, supporting, regulating, preserving and cultural.

Which one of the following is supporting service ?

- (a) Production of food and water
- (b) Control of climate and disease
- (c) Nutrient cycling and crop pollination
- (d) Maintenance of diversity
- 19. Vultures which used to be very common in Indian country-side some years ago are rarely seen nowadays. This is attributed to-
 - (a) The destruction of their nesting sites by new invasive species
 - (b) A drug used by cattle owners for treating their diseased cattle
 - (c) Scarcity of food available to them
 - (d) A widespread, persistent and fatal disease among them [IAS 2012]
- 20. Reduced leaves and sunken stomata are the main feature of
 - (a) Epiphytes (b) Hydrophytes
 - (c) Xerophytes (d) Mesophytes

21. Long roots system are found in xerophytes, because-

- (a) It give mechanical support to plant
- (b) To absorb water situated deep inside earth
- (c) High temperature of soil cause growth in root
- (d) How temperature during night cause growth on root
- 22. If all plant of the world die than all animal ultimately will die due to
 - (a) Lack of oxygen (b) Lack of cold air
 - (c) Lack of food (d) Animal will not die

- 23. Epiphytes are found in those places where— (a) Temperature is very low (b) Concentration of oxygen is high (c) Rain fall occur all over year (d) Rain fall occur according to season 24. Largest ecosystem of world is-(a) Grass land (b) Lake (c) Sea (d) Forest 25. When we eat the flesh of goat we are — (b) Secondary consumer (a) Primary consumer (c) Tertiary consumer (d) None [40 BPSC 1995] We get solar energy from— (a) Moon (b) Sea (c) Sun (d) Air [44 BPSC (Pre) 2001] In a food chain energy transfer– (a) From river to earth (b) Lower lattitude to higher lattitude (c) From one organism to other organism
 - (d) None of these [SSC Grad 2000]
- 28. Hydrophytes are-
 - (a) Animal found in sea
 - (b) Aquatic plant (c) A plant disease (d) A root less plant
 - [UPSC (Pre) 1994]
- 29. Which one of following is a xerophytic plant-
 - (a) Musturd (b) Amerbel
 - (c) Karil (d) Neem [RRB 2004]
- 30. Abiotic component of our environment-
 - (a) Plants (b) Animal
 - (c) Both a and b (d) Air [RRB 2004]
- Hydrophonics is related to—
 - (a) Growth of plant without soil
 - (b) Growth of plant without water
 - (c) Conservation of water
 - (d) Relation of sound with water [RRB Calcutta GG 2002]
- 32. Epiphytes are plant which depend on other plants for : (a) Food
 - (b) Mechanical support (c) Shade
 - (d) Water [IAS (Pre) 2001]
- Phytron is a facility to—
 - (a) Grow plants under disease free condition
 - (b) Conserve endangered species of plant
 - (c) Grow plant under controlled condition
 - (d) Induced mutations [IAS (Pre) 2000]
- Most of the desert plant bloom during night because-
 - (a) Their blooming is controlled by low templerature
 - (b) They are sensitive to the phase of moon
 - (c) The desert insects eat away flower during day time
 - (d) The desert insects are active during night time

[IAS (Pre) 1995]

- The ratio of forest area needed for ecologycal balance in India-
 - (a) 11.1% (b) 22.2% (c) 33.3% (d) 44.4 % [SSC Grad 1999]
- 36. Which of the following is most stable ecosystem-
 - (a) Forest (b) Grass land
 - (c) Desert (d) Sea [RAS/RTS (Pre) 2008]
- 37. The driving force of an ecosystem is-
 - (a) Biomass (b) Producer
 - (c) Carbohydrate in producers (d) Solar energy
- 38. Ecosystem is-
 - (a) Always open (b) Always closed
 - (c) Both open and closed depending upon community
 - (d) Bolth open and closed depending upon biomass

[IAS 2012]

(a) Herbivo	ores \rightarrow Pro	ducers —> Carnivores —>
		Decomposer
(b) Herbivo	ores —> Car	nivores \longrightarrow Producers \longrightarrow
		Decomposer
(c) Produce	er → Carni	ivores> Herbivores>
(d) Produce	er → Herbi	Decomposer ivores> Carnivores> Decomposer
). Which one I	acks both root	and stomata,-
(a) Hydrop	hvtes	(b) Mesophytes
(c) Hygrop	hvtes	(d) Halophytes
		fer in food chain was given
(a) Lindem	ann	(b) Stanley
(c) Tansley	"Undrated Yorks	(d) Weismann
	enerov transfe	ered from one trophic level to
next is—	and by transfe	area from one frophic level to
(a) 1.5%	(b) 10%	(c) 15% (d) 20%
		· · · · · · · · · · · · · · · · · · ·
(a) Flore or	d Fourse	a particular area constitute—
(a) Flora an	u rauna	(b) Community
(c) Leosyste	:111	(d) Ecology
. Study of inte	r-relationships	sbetween an entire community
and its envir	onment is—	
(a) Autecole	ogy	(b) Resource ecology
		(d) Synecology
An associatio	on of individua	als of different species living in
the same hal	pitat and havin	ng functional interactions is :
(a) Populati	on	(b) Ecological niche
(c) Biotic co	mmunity	(d) Ecosystem
	nce of ecosyste	
(a) Cycling	of material	(b) Flow of energy
(c) Both A 8		(d) Its biomass
Energy trans	fer from organ	nism to organism in a natural
community of	levelops-	and to organism in a natural
		(b) Food chain
(c) Food we	b	(d) Pyramid of energy
		is it is passes from lower to
higher troph	ic level This is	s explained by—
(a) Firet law	of thermodyr	apping
	aw of thermody	
(c) Newton'	s second law	(d) Newton's third law
Pyramid of e		
(a) Always i		(b) Always upright
(c) Spindles		
(a) Both upri	ght and inverte	ed depending upon ecosystem
In an ecosyst	em which one	show one-way passage—
(a) Free ener	зу	(b) Carbon
(c) Nitrogen		(d) Potassium
Which one of	thefollowing	organisms is likely to show the
heighest cond	centration of D	DT, one it has been introduce
into the ecosy	/stem—	
(a) Grasshop		(b) Toad
(c) Snake	ENCORE (OP)	(d) Cattle [LAS (Pre) 1997]
In the cont	ext of ecos	stem productivity marine
upwelling 70	ones are imr	portant as they increase the
marine produ	ictivity by brin	noting the
produ		
	ser micro-org	anisms to the surface

Which of the statements given below are correct ?
(a) 1 & 2 (b) 2 only (c) 2 and 3 (d) 3 only [CSAT 2011]
If a tropical rain forest is removed, it does not regenerate quickly as compared to a tropical deciduous forest. This is because
(a) The soil of rain forest is deficient in nutrients
(b) Propagules of the trees in a rain forest have poor viability
(c) Exotic species invade the fertile soil of rain forest
(d) The rain forest species are slowgrowing [CSAT 2011]
The Himalayan Range is very rich in species diversity. Which one among the following is the most appropriate reason for this phenomenon ?

3. Bottom dwelling organisms to the surface

2. Nutrient to the surface

- (a) Ithasahighrainfallthatsupportsluxuriantvegetative growth
- (b) It is a confluence of different biogeographical bones
- (c) Exotic and invasive species have been introduced in this region
- (d) It has less human interference [CSAI 2011]
- In dry regions, the leaf size of a tree becomes smaller. It is so to-
 - (a) Reduce metabolism (b) Reduce transpiration
 - (c) Maintain natural growth
 - (d) Protect plant from animals
- [CSAI 2011]
- Eco-mark is given to an Indian product which is :
 - (a) Rich in protein (b) Environment friendly
 - (c) Economically viable (d) Pure and unadulterated

[CDSI 2011]

- No trees are found in Tundra biome near polar region of northern hemisphere. This is due to-
 - (a) Snowfall inhibits plant respiration
 - (b) Frozen ice beneath the surface soil restricts root growth
 - (c) Less wind movement and inadequate sun light
 - (d) Low temperature which restricts development of reproductive organs.
- An artificial ecosystem is represented by-
 - (a) Pisciculture tank (b) Agricultural land
 - (c) Zoo (d) Aquarium
- The world's only floating national park is situated in-(a) Manipur (b) Kualakumpur
 - (c) Bilaspur (d) Dispur [NDA 2011]
 - Van Mahotsav is associated with-
 - (a) Protection of plant (b) Planting tree
 - (c) Increase in crop (d) Cutting trees [SSC 2011]
- Crop sown soon after the onset of south-west monsoon in India is called-
 - (a) Rabi

2. Sugarcane

3. Ground nut

- (b) Kharif (c) Rainfed
 - (d) Dry farming [SSC 2011]

Match the following and select the correct answer from the codes given below-

Crop Tea

4. Apple

1.

- Producing State
- 1. Himachal Pradesh 2. Assam
- 3. Uttar Pradesh
 - 4. Gujarat
- (a) 1-2, 2-4, 3-1, 4-3(b) 1-2, 3-3, 3-4, 4-1(c) 1-3, 2-2, 3-1, 4-4 (d) 1-4, 2-3, 3-1, 4-2

- 63. An example of false fruit is-(a) Apple (b) Guava (c) Mango (d) Tomato [SSC 2011]
- 64. Which is the most stable ecosystem-(a) Desert (b) Ocean (c) Mountain (d) Forest [SSC 2011]
- 65. What would happen if phytoplankton of an ocean is completely destroyed for some reason ?
 - 1. The ocean as a carbon sink would be adversely affected.
 - The food chains in the ocean would be adversely affected.
 - 3. The density of ocean water would drastically decrease. Select the correct answer using the codes given below :
 - (a) 1 and 2 only (b) 2 only
 - (c) 3 only (d) 1, 2 and 3 [IAS 2012]

- 66. Biomass gasification is considered to be one of the sustainable solutions to the power crisis in India. In this context, which of the following statements is/are correct?
 - Coconut shells, groundnut shells and rice husk can be used in biomass gasification.
 - 2. The combustible gases generated from biomass gasification consist of hydrogen and carbon dioxide only.
 - 3. The combustible gases generated from biomass gasification can be used for direct heat generation but not in internal combustion engines.

Select the correct answer using the codes given below :

- (a) 1 only
- (b) 2 and 3 only

565

(c) 1 and 3 only (d) 1, 2 and 3 [LAS 2012]

Answers #

1. (d) 2.	(b) 3. (d	d) 4. (c)	5, (d) 6.	(b) 7.	(c) 8. (b)	9. (b)	10. (b)	11. (a) 12.	(a) 13. (a)
14. (c) 15.	(c) 16. (d	c) 17. (a)	18. (d) 19.	(a) 20.	(c) 21. (b)	22. (a)	23. (c)	24. (c) 25.	(b) 26. (c)
27. (c) 28.	(b) 29. (i	c) 30. (d)	31. (a) 32.	(b) 33.	(c) 34. (d)	35. (c)	36. (d)	37. (d) 38.	(c) 39. (d)
40, (a) 41.		o) 43. (b)	44. (d) 45.	(c) 46.	(c) 47. (c)	48. (b)	49. (d)	50. (a) 51.	(c) 52. (c)
53. (a) 54.	(b) 55. (l	b) 56. (b)	57. (b) 58.	(d) 59.	() 60. (b)	61. (b) (52, (b)	63. (a) 64.	(b) 65. (a)

20. Pollution

- 1. Atmosphere of big metropolition cities is polluted most by-
 - (a) Automobil exhausts
 - (b) Pesticide residue (c) Household waste (d) Radio active fall out
- Chief air pollutant which is likely to deplete ozone layer is-
 - (a) Sulphur dioxide (b) Carbon dioxide
 - (c) Carbon monoxide
 - (d) Nitrogen oxides and fluorocarbons
- 3. World environment day is-
- (a) 28th Feb (b) 5th June (c) 7th June (d) 10 April
- Gas released during Bhopal tragedy was-
 - (a) Methyl isocyanate
 - (b) Potassium isothiocyanate
 - (c) Sodium isothiocyanate (d) Ethyl isothiocyanate
- Major aerosol pollutant in jet plane emission is-
 - (a) Sulphurdioxide (b) Carbonmonoxide
 - (c) Methane (d) Fluorocarbon
- 6. Air pollution is maximum by-
 - (a) Sewage and pesticides
 - (b) Sewage and effluents
 - (c) Detergents and pesticides
 - (d) Automobile exhausts and chemical from industries
- 7. Air pollution is indicated by-
 - (a) Fern and Cycus (b) Algae and Liverwort
 - (e) Lichens and Moss (d) Neem
- 8. Pollutant produced from vehicles which cause mental disease is-
 - (a) NO₂ (b) SO, (c) Pb (d) Hg
 - Carbon monoxide is a pollutat because-
 - (a) It combine with oxygen
 - (b) It affect nervours system
 - (c) It check the process of glycolysis
 - (d) It combine with haemoglobin

- 10. Which of the following is chief air pollutant? (b) CO_2 (c) N_2 (d) S (a) CO
- 11. Chief air pollutant in big meteropolitan city like Kolkata and Mumbai-
 - (a) CO and SO, (b) Hydrocarbon
 - (c) Spores of algae (d) Ozone
- 12. Which of the following is not considered as air pollutant? (a) Hydrocarbon (b) Carbonmonoxide (c) Carbondioxide
 - (d) Sulphur dioxide
- 13. DDT is-
 - (a) Green house gas (b) Degradable pollutant (e) Nondegradable pollutant (d) None of these
- 14. Which of the following is green house gases-
 - (a) CO₂, O₂, NO₂, NH₃ (b) CFC, CO, NH, N,
 - (d) CFC, CO2, CH4, NO2 (c) CH₄, N₂, CO₂, NH₃
- 15. Which of the following is most effective green house gases-
- (a) Freone

- (d) Chloroflurocarbon
- 16. Carbon monoxide, emitted by automobiles, prevent transport of oxygen in body due to-
 - (a) Combining with oxygen to form carbondioxide
- (b) Destruction of homoglobin
 - (c) Psreventing reaction between oxygen and haemoglobin
 - (d) Forming stable compound with haemoglobin
- 17. Pollution indicator plants-
 - (a) Are resistant to pollution
 - (b) Can purify the atmosphere
 - (c) Are very sensitive to pollutants
 - (d) Can indicate onset of rain
- 18. Among pollutants which has the most lasting effect-(a) Carbon monoxide (b) Pesticides
 - (c) Sulphur dioxide (d) Smokes from chimneys

- (b) Methane

- (c) Carbondioxide

Objective	General	Knowledge
-----------	---------	-----------

- 19. Common indicator organism of water pollution is-
 - (a) Escherichia coli (b) Cholera vibrio
 - (c) Salmonella typhi (d) Entomoeba histalytica

Which pollution causes jaundice— (b) Air (a) Water

- (c) Hand (d) Thermal 21. Which of the following air pollutant affect the nervous system of man-
 - (a) Lead (b) Cadmium (c) Mercury (d) Sillica
- 22. Which of the following is non-biodegredable pollutant: (c) Murcury (d) All (a) Plastic (b) DDT
- 23. Taj may be destroyed by-
 - (a) Flood in Yamuna
 - (b) Temperature mediaed spoilage of marble
 - (e) Air pollutant from Mathura refinery
 - (d) All of above
- 24. Minimata disease is due to pollution of-
 - (a) Organic waste into drinking water
 - (b) Oil spill in water
 - (e) Industrial waste mercury in water
 - (d) Arsenic into the atmosphere
- 25. Bhopal gas tragedy was due to-
 - (a) Air pollution (c) Water pollution
- (b) Soil pollution (d) None of above
- 26. The gas leaked out in Bhopal gas tragedy-
 - (a) Carbon monoxide
 - (b) Ethyle isocynate (d) SO, and NO,
- (c) Methyl isocynate 27. Pollutant likely to deplete ozone layer is-
 - (a) Carbonmonooxide -(b) Nitrogen Oxides (e) Chloroflurocarbons (d) Both b and c
- 28. Acid rain is due to-
 - (a) Excess production of coal gas
 - (b) Excess release of CO, due to increasing cumbustions and respiration
 - (c) Excess release of SO, and NO, from burning fossil fuels
 - (d) Excess production of gaseous hydrocarbon
 - [UPCS (Pre) Uttrakhand 2008]
- 29. Ultravoilet rays coming from sun causes-
 - (a) Lung cancer (b) Mouth cancer (c) Skin cancer (d) Cancer of liver

30. Carbonmonoxide is harmful to human beings as it is-

- (a) Carcinogenic
- (b) Antagonistic to CO,
- (c) With higher affinity for haemoglobin as compared to oxygen
- (d) Desturctive to O₃
- 31. Taj Mahal is threatened by pollution from-
 - (a) Chlorine
 - (c) Hydrogen
- 32. BOD is-
 - (a) Biological oxygen deficit
 - (b) Biosphere oxygen demand
 - (e) Biological oxygen demand
 - (d) None of above
- 33. Water pollution of a river is measured by-
 - (a) Amount of chlorine dissolve in water
 - (b) Amount of ozone dissolve in water
 - (c) Amount of nitrogen idssolve in water
 - (d) Amount of oxygen dissolve in water [IAS (Pre) 1978]

- 34. Which of the following gas do not considered as polluting agent of air?
 - (c) NO₂ (a) CO, (b) CO (d) SO. [RRB 2003]
- 35. Which of the following from of energy do not have the problem of pollution ? (a) Coal

(c) Petrol (b) Atom (d) Sun [UPPCS Lower Sub-ordinate 2003]

- Major pollution causing agent is— (a) Hydrocarbon (b) Animals (c) Man (d) None of these
- 37. Pollution is-
 - (a) Removal of top soil
 - (b) Release of toxic undesirable material in environment
 - (c) Conservation of energy
 - (d) All of above

(e) Jet flight

- 38. Effect of pollution is most marked on-
 - (a) Natural balance of nature
 - (b) Natural geochemical cycles
 - (c) Natural flora of place (d) All the above
- Chief source of water and soil pollution is—
 - (a) Mining (b) Thermal power plant
- (e) Agro industry (d) All the above
- 40. Ultimate environmental hazard to makind is due to-(a) Nuclear pollution (b) Water pollution
 - (c) Air pollution (d) Noise pollution
- 41. Sound become hazardous noise pollution at level-(a) Above 30 dB (b) above 80 dB
- (c) Above 100 dB (d) Above 120 dB 42. Fish die in water bodies polluted by sewage due to-
- (a) Pathogens (b) Clogging of gills by silts (c) Reduction in oxygen (d) Foul smell
- 43. Which of the following plroduce maximum sound pollution-(a) Top music
 - (b) Heavy truck
 - (d) None of these
 - [UPPCS Lower Sub-ordinate 2003-04]
- Mational Environmental Engineering research institute
 - is situated in-(a) Ranchi (b) Cuttak
 - (c) Jamsedpur (d) Nagpur
- 45. Which gas is responsible for global warming— (b) O, and CO, (a) O₂
 - (c) CO, and CH₄
 - (d) CH,
 - [Uttrakhand PCS(Pre) 2008]
- Ozone layer present in our atomophere absorb— (a) Cosmic rays (b) Infra-red rays (c) Ultravoilet rays (d) All rays
 - [Uttrakhand PCS(Pre) 2008]
- 47. Spraying of DDT produce pollution of—
 - (a) Air (b) Air and water
- (c) Air and soil (d) Air, water and soil
- 48. Domestic waste constitutes-
 - (a) Nonbiodegradable pollution
 - (b) Biodegradable pollution
 - (c) Effluents (d) Air pollution
- 49. Increased asthmatic attacks in certain seasons are ralated to (a) Inhalation of seasonal pollen
 - (b) Eating of seasonal vegetables

566

(b) Sulphurdioxide (d) Oxygen

- (c) Low temperature
- (d) Wet and dry environment
- 50. Ozone day is-

(a)	January, 30	(b) September, 16
	April, 21	(d) December, 25

51. Ozone hole is maximum over—

(a) Europe (b) Antarctica (c) India (d) Africa

52. Among pollutants which has the most lasting effect

- (a) Carbon monoxide (b) Pesticides (c) Sulphurdioxide (d) Smoke from
 - phurdioxide (d) Smoke from chimney

53. Green house effect is-

- (a) Collection of green house gases which rise the temperature of atmosphere
- (b) Production of flower and vegetable in increased temperature
- (c) Production of crop in glass house
- (d) None to these [Uttrakhand PCS (Pre) 2008]

54. Consider the following statements-

- 1. Kyoto protocol came into force in the year 2005
- 2. Kyoto plrotocol deals primarily with the deplation of the ozone layer

3. Methane as a green house gas is more harmful than carbon dioxide

Which of the statements given above is/are correct.

- (a) 1 & 2 (b) 1 and 3
- (c) 1 only (d) 3 only

[IAS (Pre) 2005]

- 55. The acidification of oceans is increasing. Why is this phenomenon a cause of concern?
 - 1. Thegrowthandsurvivalofcalcareousphytoplankton will be adversely affected.
 - The growth and survival of coral reefs will be adversely affected.
 - 3. The survival of some animals that have phytoplanktonic larvae will be adversely affected.
 - 4. The cloud seeding and formation of clouds will be adversely affected.

Which of the statements given above is / are correct ? (a) 1, 2 and 3 only (b) 2 only

- (a) 1, 2 and 3 only(c) 1 and 3 only
- (d) 1, 2, 3 and 4 [IAS 2012]

							NOR COLOR		199866		Ans	wei	rs 📖	ana a			200							
1. (a)	1 2	. (d)	З.	(b)	4.	(a)	5.	(d)	б.	(d)	7.	(c)	8.	(c)	9.	(d)	10,	(a)	11.	(a)	12.	(c)	13.	(c)
14. (d) 15	. (c)	16.	(d)	17.	(c)	18.	(b)	19.	(a)	20.	(a)	21.	(a)	22.	(d)	23.	(c)	24,	(c)	25.	(a)	26.	(c)
27. (d																								
40. (a)	41	. (b)	42.	(c)	43,	(c)	44.	(d)	45.	(c)	46.	(c)	47.	(d)	48.	(b)	49.	(a)	50.	(b)	51.	(b)	52.	(b)
53. (a)																								

21. Scientist : Their Contribution in Biology

Biologist wo proposed that life is originated in water-9. Biologist who proposed the theory of Germ plasm-(a) Hippocrates (b) Aristotle (a) Weisman (b) J.C. Bose (c)-Thales (d) Theophrastus (c) Bateson (d) Lederberg 2. Father of anatomy-10. Who proposed that every living beings are made up of (a) Aristotle (b) Andreas vesalius cell-(c) Theophrastus (d) None of these. 1. Louis pasture 2 Roberhook Edward Jenner is related with which of the following 3. Schilden T. Schwann 4. disease-Code: (a) Rabies (b) Small pox (a) Only 1 (b) 2 & 4 (c) Paralysis (d) Typhus fever (c) 1 & 3 (d) 3 & 4 [SSC CPO SI 2003] [RRB Culcutta CG 2002] Scientist who first explain about circulatory system-_____Match the following___ (a) Lewenhook (b) Willium Harvey A. Structure of DNA Jacob & Mond 1 (c) Mendal (d) Ronal ross B. ABO Blood Group 2. Barbara Mach-clintock [SSC CPO SI 2003] 3. C. Jumping gene Watson & Crick Transplantation of heart is first done by-D. Regulatory gene 4 Landstiner (a) Dr. Willum Harvey (b) Sir F.G Hoffkins Code: A (c) Dr. Louis Pasture B (d) Dr. Christian Banard C D (a) 4 3 2 1 [MPPSC (Pre)1994] 1 2 (b) 3 4 6. First Calf clone is created by-(a) Mc clintock (e) 3 4 2 1 (b) Ian Wilmut (c) Stanley 3 2 (d) Monod (d) 4 1 [RRB Mumbai ASM 2003] 7. Double helix model of DNA is given by-(a) Mullar (b) Meghnath Sha 12. Which of the following is not correctly matched ? (c) Stepham Hawking (d) Watson and Crick A. Josesph Lister Treatment of Leprosy MPPSC (Pre)1994 B. Josesph E. Salc Vaccination of Polio Antibiotic Streptomycin was discorvered by-C. Alexender Fleming - Discovered Pencillin (a) Saleman Waksman (b) Alexander Fleming D. Edward Jenner Vaccination of small pox (c) Bates on (d) None of these RRB Allahabad ASM 2003

					~ · ·				ae
		Bio chem							(a)
	(c)	Economi	CS		(d)	Literatu	ire		(c)
14.	Wł	no discove	r vaccir	nation f	or R	abies—		26.	Na
		Jenner		200 la suscepción de la		Pasture			mi
	(c)	Darwin			(d)	Lister			(a)
15.	Sci	entist who	discov	rered A	nopl	neles mo	squito transmit		(e)
1100		laria—	Nale Val	CALCENT .	100	251127.9		27.	Th
		Ronal ros			(b)	C.V. Ra	man		(a)
	(c)	A. Flemi	ng		(d)	Max Pl	ank		(c)
16.	Blo	od Group	is disco	overed	by-	House Sk		28.	
		Landstin						40.	(a)
	(c)	Willum H							(c)
					[U	ttarakhan	d PCS (Pre) 2008]		
17.	Sci	entist who	laid th	e foun	datio	n of bac	eriology-	29.	Ko
	(a)	Leeuwen	hock	TREAST INC.	(b)	Loius I	asteure		pre
	(c)	Willum H	Ierve			Edward			(a)
18.	The	e Harmon	e insuli	ne is in	vent	ed by-			(b)
		F.G Banti					n & Schwan		(e)
	(c)	Brown	-		(d)	Aobert	Hook		(d)
1.					[U	ttarakhan	d PCS (Pre) 2008]	30.	Sci
19.	Ste	thoscopoe	was in	vented	by-	-			(a)
		Jenner	E.C. I.			Sabin			(e)
	(e)	Lanni			(d)	Pasteur	re	31.	Th
20.	Wł	no discov	er the	causa	l org	ganism	of the disease		(a)
		thrax—			Commission of the Commission o		Salar - Caller and a second second second		(c)
	(a)	Louis Pa	steure		(6)	"Robert	Koch		
	(c)	Mendel			(d)	Flemin	g	32.	Ma
21.	Sci	entist who	crystal	llised v	irus	for the fi	rst time—		
		Waksman				Watsor			(A)
	(c)	Stanley		3	(d)	Emerso	n	-	(1 1)
22	Ma	tch List-I	with Li	st- II a	nd s	elect the	correct answer		
5		ng.the cod							(B)
		List I	U		Lis				(2)
	(Di	scovery/I	nventic	m)	(Sc	ientist)			(C)
		Circulati			1.	Willian	n Harvey		(D)
		in humer					the state of the		(2)
	(b)	Stethosca	ipe		2.	Wilhel	n C. Roentgen		Co
	(c)	X-rays	P-20.14		3.	Willem	Einthoren		(a)
		Electro-C		ram	4.	Rene L	aennec		(b)
		(ECG)							(c)
						Hargob	oind Khurana		(d)
		ect the ans		-				-	
		de: A	В		С	D		33.	
	_(a)		4		2 5	3			1.
	(b)	2	3			4			~
	(c)	1	3		2	4	1000 0 0000		2.
	(d)	2	4		5	3	[CDS 2006]		W

13. Har Govind Khorana shared nobel prize worked in the

- 23. The term biotechnology was coined by-
 - (a) Chohen & Boyer
 - (b) Nathan & Smith
 - (c) Karl Ereky
 - (d) Willam Hays
- 24. Name a Scientist of Indian origin, who was associated with the synthesis of human insulin gene-
 - (a) Hargovind Khorana
 - (b) Saran Narang
 - (c) Indra Vasil
 - (d) Govindjee

- 25. The technique of DNA fingerprinting in human was developed for first time by-
 -) Lalji Singh (b) Alec Jeffreys
 -) R. Ericson (d) J. Black
- ame the scientist who reported the involvement of icrobes in lactic acid fermentation in 1857-Anderson (b) Batson
 - Pasteure (d) Paul Berg
- ne first pure enzyme was prepared by—
 - Alexander Fleming (b) Christian Hensen
 - Summer (d) None of the above
- ne term antibiotic was first of all used by-) Waksman (b) Fank
 -) Flemming (d) Jenner
- ohler and Milstein developed biotechnology for roduction of-
 -) Modern vaccines
 -) Immobilined enzymes
 - Y Monoclonal antibodies
 -) Myelomas
- ientist who discovered cell division-
 - Huxley (b) Alexander
-) Strasburger (d) Fleming
- ne term histology was first used by-
 - Schileden (b) Mayer Robbert Hook (d) Maman
 - [RRB Culcutta ASM/GG 2005]

atch List-I with List-II

- List-I (Scientist) List-II (Achievements) Arber and Smith 1. Developed transgenic plantwith agrobacterium TDNA Feldman 2. Discovred revers transcriptase Mullis 3. Discovered endonucleases Temin & Baltimore 4. Discovered polymerase chain reaction ode: A B C D 3 1 4 2 1 3 4 2 3 1 2 4 1 3 2 4 onsider the following statements-Adam Osborne produced the first portable computer. Lan wilmut created the first cloned sheep.
- Thich of the statements given above is/are correct -
- (a) 1 only (b) 2 only
- (e) Both 1 and 2 (d) Neither 1 nor 2
- 34. Which one of following pair is not matched— **Recent Scientific Achievement** Country
 - (a) Creating the world first mouse U.K with a full human chromosome
 - (b) Cloning of human embryo first time Germany
 - (c) Guiding a spacecraft for callision U.S.A with a commet
 - (d) Landing a spacecraft on an asteroid Japan

[IAS (Pre) 2006]

field of-

- 35. The 2006 Nobel prize in medicine has been awarded jointly to whom among the following?
 - Andrew Z. fire of stanford university, school of 1. medicine
 - 2. John C. Mather of NASA centre Maryland.

- 3. Roger D. Koruberg of Stanford university-
- Craig C. Mello of university of Massa chusetis Medical school, Worcester. Select the correct answer using code-
- (a) 1 & 4 (b) 2 & 3 (c) 1,2&3 (d) 2,3&4

Answers

	1.	(c)	2.	(b)	3.	(b)	4.	(b)	5.	(d)	6.	(b)	7.	(d)	8.	(a)	9. (a	i) 1(). (d)	11.	(c)	12.	(a)	13.	(b)
	14.	(b)	15.	(a)	16.	(a)	17.	(b)	18.	(a)	19.	(c)	20.	(b)	21.	(c)	22. (a	r) 25	3. (c)	24.	(b)	25.	(b)	26.	(c)
Care	27.	(b)	28.	(a)	29.	(c)	30.	(c)	31.	(b)	32.	(a)	33.	(c)	34.	(d)	35. (a	1)							

22. Biodiversity and Wild Life

- Which one of the following is the first national park 1. established in India -
 - (a) Bandipur (b) Corbert
 - (c) Velavadar (d) Periyar [CDS 2009]
 - Consider the following statements -
 - (1) National parks are a special category of protected areas of land and sea coasts, where people are an integral part of the system.
 - (2) Sanctuaries are concerned with conservation of particular species
 - (3) Biosphere reserves are connected with the habitate of a particular wild animal.
 - Which of the statements given above is/are correct?
 - (a) 1, 2 and 3 (b) 2 only
 - (c) 1 and 2 only (d) 1 and 3 only[CDS 2009]
- 3. The 'red data book' containing information on all wild plant and animals which is in danger of extinction has been published by which one of the following?
 - (a) International union for conservation of nature and natural Resources (IUCN)
 - (b) World Wild life Fund (WWF)
 - (c) World Conservation Union (WCU)
 - (d) United National union Program (UNEP)[CDS 2009]
 - Consider the following regions of India-
 - 1. Western Ghat
 - 2. Aravali Hills
 - 3. Eastern Himalayes

Which of the above is/are biodiversity hot spot/hot spots

- (a) 1 only (b) 1 and 3 only (c) 2 and 3 only (d) 1, 2 and 3 [CDS 2008]
- 5. Where is Asiatic wild Ass is found ?
 - (a) Rann of Kachchh (b) Kaziranga
 - (c) Ranthambore (d) Periyar [CDS 2007]
- 5 Match List-I with List-II and select the correct answer using the code given below the list-
 - List-I (Tiger reserves) List-II (Location) A. Pench 1. Assam B. Manas 2. Madhya Pradesh C. Periyar 3. Karnataka D. Bandipur 4. Kerala Code: A B C D (a) 3 1 4 2 (b) 2 4 1 3 tet 2 1 3 4 (d) 1 2 3 4

- 7. Number of plant species estimated to be present in India is : (a) 40,000 (b) 45,000 (c) 50,000 (d) 80,000
- Which group has the highest number of endangered species? 8. (a) Mammals(b) Fishes (c) Reptiles (d) Birds
- Logo of WWF-N is-(a) Red Panda

(c) Polar bear

- (b) Giant Panda
 - (d) Tiger
- 10. Silent valley having rare plant and animal is located in (a) Kerala (b) Karnataka
- (c) Jammu and Kashmir (d) Andhra Pardesh 11. Species listed in Red Data book are-
- (a) Vulnerable (b) Threatened (e) Endangered (d) All of above
- 12. The percentage of land area covered under forest according to Indian Forest policy is-
- (a) 43% (b) 23% (c) 33% (d) 13%
- 13. An in-situ method of conservation is-(a) Botanical garden (b) Cryopreservation (c) National park (d) Tissue culture
- 14. BOD is a measure of-
 - (a) Industrial wastes passed into water bodies
 - (b) Amount of carbon monoxide combined with haemoglobin
 - (c) Extent of pollution with organic matter
 - (d) Amount of oxygen required by plant during night
- 15. Main cause of extinction of species from tropics is-
 - (a) Soil erosion (b) Pollution
 - (c) Deforestation (d) Aforestation
- 16. Hot spots of biodiversity are area with-
 - (a) Little biodiversity (b) Maximum biodiversity
 - (c) Maximum conservation (d) Both a and c
- 17. Organisation on responsible for maintaing Red data book is-
- (a) IUGN (c) WWF (b) CITES (d) IBWL
- 18. Which one is not endangered-(a) Asiatic wild Ass
 - (b) Idri Idri
 - (c) Loin Tailed Macaque (d) Addox Antelopes
- 19. If at high attitudes, birds became rare, plants likely to disappear are-
 - (a) Pine (b) Orchids (c) Oak (d) Rhodo dendrons
- 20. Important components of biodiversity are-(a) Genetic diversity (b) Species diversity (c) Ecological diversity (d) All of these

- 21. Which pair of geographical area shows maximum diversity in our country ?
 - (a) Eastern Himalayas and Western Ghats
 - (b) Sundervans and Rann of Kutchch
 - (c) Eastern Ghats & and West Bengal
 - (d) Kerala and Punjab
- 22. Hot spot area of India occur in-
 - (a) Tropical Andes (b) Western Himalayas
 - (c) Madagascar (d) Mesoptamia
- 23. Biodeversity forms the basis for human existence in the following ways-
 - 1. Soil formation 2. Prevention of soil erosion
 - 3. Recycling of waste 4. Pollination of crops

Select the correct answer using the codes given below :

- (a) 1, 2 and 3 only (b) 2, 3 and 4 only
- (c) 1 and 4 only (d) 1, 2, 3 and 4 [CSAT 2011]
- 24. Which one of the following is not a site for in-situ method of conservation of flora ?
 - (a) Biosphere Reserve (b) Botanical Garden
 - (c) Wildlife Sancutary (d) National Park [CSAT 2011]
- 25. The 'Red Data Books' published by the International Union for conservation of Nature and Natural Resources (IUCN) contain list of
 - Endemic plant and animal species present in the 1. biodiversity hotspots
 - 2. Threated plant and animal species
 - 3. Protected sites for conservation of nature and natural resources in various countries

Select the correct answer using the codes given below :

(a) 1 & 3 (b) 2 only (c) 2 & 3 (d) 3 only [CSAT 2011]

26. Polar bears are carnivores and prey on many arctic birds and fish. However, under natural conditions, no one found polar bears predating any penguin. This is because

- (a) Penguins have chemical substance in their muscles which is foxic to polar bears
- (b) Penguins are gregarious and always move in groups, therefore, a polar hear cannot approach them.
- (c) Polar hears and penguins nerer coexist under natural conditions. The former lives in the North pole while the later lives in the south pole
- (d) Polar hears and penguins display symbiotic relationships and they help each other for their existence in the ice-cold ecosystem [CDSI 2011]

27. Which of the following is the smallest bird ?

- (a) Pigeon (b) House sparrow
- (c) Humming bird (d) Parrot [SSC 2011]
- 28. The Coral reefs are the marine counterpart of-
 - (a) Temperate forest (b) Tropical rain forest (c) Savannahs (d) Scrubland [SSC 2011]
- 29. Development of the natural systems is described as-
 - (a) Function of the system (b) Evolution of the systems
 - (e) Self sustained process of the system
 - (d) None of above [BPSC 2011]
- 30. Which one of the following strongly threatens biodiversity?
 - (a) Eragile ecosystems such as mangroves and wetlands
 - (b) Inaccessible habitates in the Himalayas
 - (c) Desstruction of natural habitates and regetation and Jhum cultivation
 - (d) Creation of biosphere reserves [JPSC 2011]

- 31. Fish can survive inside a frozen lake, because-
 - (a) Fish are warm blooded animals
 - (b) Fish hibernate in ice
 - (e) Water near the bottom does not freeze
 - (d) Ice is a good conductor of heat
- 32. Which one of the following groups of animals belongs to the category of endangered species ?
 - (a) Great Indian Bustard, Musk Deer, Red Panda and Asiatic Wild Ass
 - (b) Kashmir Stag, Cheetal, Blue Bull and Great Indian Bustard
 - (c) Snow Leopard, Swamp Deer, Rhesus Monkey and Saras (Crane)
 - (d) Lion-tailed Macaque, Blue Bull, Hanuman Langur and Cheetal [IAS 2012]
- 33. How does National Biodiversity Authority (NBA) help in protecting the Indian agriculture ?
 - 1. NBAchecksthebiopiracy and protects the indigenous and traditional genetic resources.
 - 2. NBA directly monitors and supervises the scientific research on genetic modification of crop plants.
 - 3. Application for Intellectual Property Rights related to genetic/biological resources cannot be made without the approval of NBA.

Which of the statements given above is/are correct?

- (a) 1 only (b) 2 and 3 only
- (c) 1 and 3 only (d) 1, 2 and 3 [IAS 2012]
- 34. Consider the following protected areas :
 - -1. Bandipur 2. Bhitarkanika
 - -3. Manas -4. Sunderbans
 - Which of the above are declared Tiger Reserves ?
 - (a) 1 and 2 only -(5) 1, 3 and 4 only
 - (c) 2, 3 and 4 only (d) 1, 2, 3 and 4 [IAS 2012]
- 35. Which of the following can be threats to the biodiversity of a geographical area ?
 - 1. Global warming Fragmentation of habitat 2.
 - 3. Invasion of alien species
 - 4. Promotion of vegetarianism
 - Select the correct answer using the codes given below :
 - (a) 1, 2 and 3 only (b) 2 and 3 only
 - (c) 1 and 4 only (d) 1, 2, 3 and 4 [IAS 2012]
- 36. What is the difference between the antelopes Oryx and Chiru?
 - (a) Oryx is adapted to live in hot and arid areas whereas Chiru is adapted to live in steppes and semi-desert areas of cold high mountains
 - (b) Oryx is poached for its antlers whereas Chiru is poached for its musk
 - (c) Oryx exists in Western India only whereas Chiru exists in North-East India only
 - (d) None of the statements (a), (b) and (c) given above is correct [IAS 2012]
- 37. Consider the following-
 - 1. Black-necked crane 2. Cheetah
 - -3. Flying squirrel -4. Snow leopard
 - Which of the above are naturally found in India?
 - (a) 1, 2 and 3 only (b) 1, 3 and 4 only (c) 2 and 4 only
 - (d) 1, 2, 3 and 4 [IAS 2012]

Biology

Answers

1. (b)	2.	(b)	3.	(a)	4.	(b)	5.	(a)	6.	(c)	7.	(a)	8. (c)	9. (a)	10.	(a)	11, (d	1 12.	(c)	13. (c)
14. (c)	15.	(c)	16.	(b)	17.	(a)	18.	(d)	19.	(d)	20.	(d)	21. (a)	22. (b)	23.	(a)	24. (b)	25.	(b)	26. (i	c)
27. (c)	28.	(d)	29.	(c)	30.	(c)	31.	(c)	32.	(a)	33.	(a)	34. (b)	35. (b)	36.	(a)	37. (b)				

23. Biotechnology

- Biotechnology is-1.
 - (a) Technology used in biology
 - (b) Use of genetic engineering
 - (c) Development of technology for medicine application
 - (d) Use of microorgnisms in industrial process
- 2. An American multinational company Monsanto has produced an insect resistant cotton variety that is under going field trials in India A toxin gene from which one of the following bacteria has been transferred this one of the following bacteria has beentransferred to this transgenic cotton.
 - (a) Cacillus subtillis (b) Bacillus thuringiensis
 - (c) Bacillus anyloli quifanciens (d) Bacillus globlii
- The genetically engineered 'Golden Rice is rich' in which 3. of the following-
 - (a) Vitamin A and nicotinc acid
 - (b) B-Carotene, Vitamin A and folic acid
 - (c) B-Carotene and iron (d) Vitamin A and niacin
 - [CDS 2009]
- Which one of the following types of cell has the ability to develop into any type of all?
 - (a) Endodermal cell (b) Ectodermal cell
 - (c) Stem cell (d) Muscles cell
- Which one of the following contains powerful oxidative enzymes and help in removing toxic substance from cells?
 - (a) Plastids (b) Lysosmes
 - (c) Dictyosomes (d) Peroxisomes
- Introduction of foreign genes for improving genotype 6. is-
 - (a) Tissue culture (b) Immunisation
 - (c) Biotechnology (d) Genetic engineering
- 7. Distribution of clean and quality milk throughout the world has been made possible through work of-

(b) Koch

- (a) Leeuwenhook
- (c) Pasteur (d) Blackman
- Restriction enzyme was discovered by ?
 - (a) Smit and Nathans (b) Berger
 - (c) Waksman (d) Fleming
- 9. Recombinant DNA technology (Genetic Engineering) allows genes to be transferred
 - 1. across different species of plants
 - 2. from animals to plants
 - from microorganisms to higher organisms 3.
 - Select the correct answer using the codes given below. (a) 1 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only (d) 1, 2 and 3 [IAS 2013]
- 10. Nuclease enzyme which begin its attack from free end of polynucleotide is-
 - (a) Endonuclease (b) Exonuclease (c) Polymerase (d) Kinase
- The enzymes that are used as molecular scissors to cut

DNA at specific sites for various purposes in genetic engineering -

- (a) DNA ligases (b) DNA polymerases
- (c) Restriction endonucleases (d) Restriction exonu leases
- 12. Plasmid are-
 - (a) Cytoplasmic organelles which store starch
 - (b) Extrachromosomal DNA elements in bacteria
 - (c) Genes which cause cancer
 - (d) Basic proteins around which DNA is coiled in encaryotic chromosome
- Antibiotic belong to the category of— (a) Steroids (b) Toxin (c) Medicine (d) Tonics
- 14. Modified antibiotics are got through-
 - (a) Vernalisation (b) Ultrafiltration
 - (c) Ultracentrifuge (d) Genetic engineering
- 15. Enzyme TPA or plasminogen activator is used for-(a) Dissolving blood clots
 - (b) Maintaining plasma content
 - (c) Clearing turbidity of juices
 - (d) Stimulating thromboplastin production
- 16. Genetically engineered human insulin is manufactured by the use of-
 - (a) E-coli
 - (c) Pseudomonas (d) Ashbya gosspii

(b) Rhizopus

- 17. Antibiotics inhibit the growth of or destroying-
 - (a) Bacteria (b) Bacteria and viruses
 - (c) Bacteria, fungi and viruses
 - (d) Bacteria, algae and viruses
- 18. Which of the following vitamin is transformed in golden rice ? (b) Vitamin B₁₂
 - (a) Vitamin A (c) Vitamic C
 - (d) Vitamin D
- 19. Human protein x-1-antitrysin is used for which of the following disease ?
 - (a) Cholera
 - (b) Small pox (c) Emphysama (d) Gout
- 20. Which of the following is reffered as molecular glue ? (a) DNA ligase (b) DNA polymerase
 - (c) Restriction enzyme (d) Topoisomerase
- 21. The southern blot technique is used for the detection of-
 - (a) DNA (b) RNA (c) Protein (d) None
- 22. The northrn blot technique is used for the detection of (a) r RNA (b) m RNA (c) t RNA (d) RNA
- 23. The first product of ancien biotechnology was-(a) Alcohol (b) Lactic acid (c) Insulin (d) Steroid
- 24. Which of the following is not use as vector in genetic engineering-
 - (a) Plasmids
 - (c) Anopholes
- (b) Bacteriophages
- (d) Transposons

571

[NDA 2004]

- 25. Advancement in genetic engineering has been possible due to discovery of-
 - (a) Oncogenes
 - (b) Transposons (c) Restriction endonuclease (d) Exonuclease
- 26. First hormone prepared by genetic engineering is-
 - (b) Somato tropin (a) Oxytocin
 - (d) Insulin (c) Adrenalin
- 27. Important objective of biotechnology in agriculture section is-
 - (a) % produce best resistant varieties of plant
 - (b) % increase the nitrogen content
 - (c) % decreal the seed number
 - (d) % increase the plant weight.
- 28. Which of the following risk are associated with genetically modified food ?
 - 2. Allergic reaction 1. Toxicity
 - 3. Antibiotic resistance in microoganisms present in alimentary canal
 - (a) 1 and 2 (b) 1, 2 & 3 (c) 1 and 3 (d) 2 & 3
- 29. The first transgenic crop was-(a) Pea (b) Flax (c) Tobacco (d) Cotton
- 30. Restriction endoucleases were used by cohen and Boyer's DNA experiments for-
 - (a) Isolation of cloned hacterial plasmids
 - (b) Cleaving the bacterial plasmid
 - (c) Isolation of human insulin
 - (d) Both a and b
- 31. A DNA library constitutes-
 - (a) All the genes in a gene pool
 - (b) All the genes sequenced so far
 - (c) A collection of all the DNA fragments of an organism inserted in plasmid

(c) Hybridisation

- (d) A DNA fragment inserted in a phage.
- 32. A method used to distinguish DNA of one invidual from another is-
 - (a) DNA sequencing
 - (b) c DNA
 - (d) Restriction fragment length polymorphism
- 33. Which is used extensively for genetic engineering in plant?
 - (a) Agrobacterium tumefaciens
 - (b) Xanthomonas citri
 - (c) Bacillus coagulens (d) Clostridium septicum
- 34. Which of the following does not fall within the area of biotechnology?
 - (a) Extration of copper from its ore.
 - (b) Formation of yoghurt and chesse from milk.
 - (c) Production of insulin using gene technology.
 - (d) Production of antibiotics from moulds.
- 35. A genetically engineered form of bringjal known as the Bt-bringal has been developed. The objective of this is-

- (a) To make it pest-resistant
- (b) To improve its taste and nutritive qualities
- (c) To make it drought resistant
- (d) To make its self-life longer
- 36. Bt seed is associated with-

(a) Rice

(c) Cotton

- (b) Wheat
 - [SSC 2011] (d) Oil seed

[CSAT 2011]

- 37. With reference to 'stem cells', frequently in the news, which of the following statements is / are correct ?
 - 1. Stem cells can be derived from mammals only.
 - 2. Stem cells can be used for screening new drugs.
 - Stem cells can be used for medical therapies. 3.
 - Select the correct answer using the codes given below :
 - (b) 2 and 3 only (a) 1 and 2 only
 - (c) 3 only (d) 1, 2 and 3 [IAS 2012]
- 38. With reference to the scientific progress of ancient India, which of the statements given below are correct?
 - 1. Different kinds of specialized surgical instruments were in common use by 1st century AD.
 - 2. Transplant of internal organs in the human body had begun by the beginning of 3rd century AD.
 - 3. The concept of sine of an angle was known in 5th century AD.
 - The concept of cyclic quadrilaterals was known in 4. 7th century AD.
 - Select the correct answer using the codes given below :
 - (b) 3 and 4 only (a) 1 and 2 only.
 - (d) 1, 2, 3 and 4 [IAS 2012] (c) 1, 3 and 4 only
- 39. What are the reasons for the people's resistance to the introduction of Bt brinjal in India?
 - 1. Bt brinjal has been created by inserting a gene from a soil fungus into its genome.
 - The seeds of Bt brinjal are terminator seeds and 2. therefore, the farmers have to buy the seeds before every season from the seed companies.
 - 3. There is an apprehension that the consumption of Bt brinjal may have adverse impact on health.
 - 4. There is some concern that the introduction of Bt brinjal may have adverse effect on the biodiversity. Select the correct answer using the codes given below :
 - (a) 1, 2 and 3 only (b) 2 and 3 only
 - (d) 1, 2, 3 and 4 [LAS 2012] (c) 3 and 4 only
- 40. Other than resistance to pests, what are the prospects for which genetically engineered plants have been created?
 - To enable them to with stand drought 1.
 - To increase the nutritive value of the produce 2.
 - To enable them to grow and do photosynthesis in 3. spacesips and space stations
 - 4. To increase their self life
 - Select the correct answer using the codes given below :
 - (a) 1 and 2 only
 - (c) 1, 2 and 4 only (d) 1, 2, 3 and 4 [IAS 2012]

(b) 3 and 4 only

	BERKE	Answers 🕷		
1. (d) 2. (b) 3. 14. (d) 15. (a) 16.	(b) 4. (c) 5. (d) (a) 17. (c) 18. (a)	6. (d) 7. (c) 8. 19. (c) 20. (a) 21	(a) 9. (c) 10. (b) (a) 22. (d) 23. (b)	11. (c) 12. (b) 13. (c) 24. (c) 25. (c) 26. (d)
27. (a) 28. (b) 29. 40. (d)	(c) 30, (d) 31. (c)	32. (d) 33. (a) 34	(a) 35. (a) 36. (c)	37. (b) 38. (c) 39. (b)
and an and a second sec		***		