

## 200 Questions PDF of Quantitative Aptitude for IBPS Clerk Prelims 2022

**Directions (1-20):** What should come in place of question mark (?) in the following questions?

**Q1.** 48% of 525 + ? % Of 250 = 499

- (a) 88.8
- (b) 76.6
- (c) 82.6
- (d) 98.8
- (e) 92.8

**Q2.**  $\frac{5}{2}$  of  $\frac{7}{8}$  of  $\frac{1}{28}$  of 1600 = 260 + ? - 499

- (a) 264
- (b) 480
- (c) 364
- (d) 342
- (e) 420

**Q3.**  $\sqrt{5^2 \times 41 \times 5 - 17^2 - 75} = ?$

- (a) 69
- (b) 71
- (c) 79
- (d) 63
- (e) 89

**Q4.**  $\sqrt{256 \times 49} + (19)^2 + 11 = (?)^2$

- (a) 484
- (b) 22
- (c) 24
- (d) 42
- (e) 26

**Q5.**  $252 + 520 \div 20 + 420 = 121 + ?$

- (a) 587
- (b) 577
- (c) 527
- (d) 477
- (e) 627

**Q6.** 80% of ? =  $\sqrt{250 \times 44 + 40\% \text{ of } 8500}$

- (a) 80
- (b) 120
- (c) 150
- (d) 180
- (e) 240

**Q7.**  $? \times 40 \div 24 \times 27 = \frac{594}{115} \times \frac{2300}{264}$

- (a) 1
- (b) 2
- (c) 3
- (d) 4
- (e) 5

**Q8.** 20% of  $(40 \times \sqrt{?}) = (32)^2 + (16)^2$

- (a) 160
- (b) 2560
- (c) 16
- (d) 25600
- (e) 256

**Q9.**  $? + 13 \times 50 = 420 + 45\% \text{ of } 800 + 220$

- (a) 300
- (b) 350
- (c) 400
- (d) 450
- (e) 250

**Q10.**  $(?)^{\frac{3}{2}} = 256 \times (2)^8 \div (8)^5 \times 32$

- (a) 4
- (b) 256
- (c) 64
- (d) 1024
- (e) 16

**Q11.**  $\left(\frac{4^4 \text{ of } 25}{48}\right) \div \left(\frac{5}{4} \text{ of } 32 + \frac{3}{7} \text{ of } 21\right) = ? \text{ of } \frac{1}{49}$

- (a) 3.5
- (b) 3
- (c) 2.5
- (d) 4
- (e) 5

**Q12.**  $\sqrt{?}$  of 6 + 20% of 95 =  $\frac{1}{2}$  of 62

- (a) 3
- (b) 4
- (c) 5
- (d) 6
- (e) 7

**Q13.**  $\left(\frac{5}{3}$  of  $6\frac{3}{5}$  of  $\frac{9}{11}\right) + ?^2 = 45$

- (a) 5
- (b) 7
- (c) 4
- (d) 8
- (e) 6

**Q14.**  $\left(\frac{4}{7} \times \frac{14}{5} \div 2\right) - \left(\frac{3}{10}$  of  $?$ ) =  $\frac{4}{5} - 3$

- (a) 10
- (b) 8
- (c) 9
- (d) 11
- (e) 12

**Q15.**  $4\frac{4}{5} + 2\frac{1}{15} - \frac{27}{5} = 2\frac{1}{5} \div 3 \times ?$

- (a)  $\frac{2}{9}$
- (b) 1
- (c) 2
- (d) 3
- (e)  $\frac{1}{9}$

**Q16.**  $\sqrt{5776} - \sqrt{1444} + \sqrt{729} = 43 + ?$

- (a) 25
- (b) 20
- (c) 26
- (d) 24
- (e) 22

**Q17.**  $78 \times 26 \div 6 + 1262 = 1311 + (?)^2$

- (a) 17
- (b) 22
- (c) 15
- (d) 13
- (e) 19

**Q18.**  $1484 \div 28 + 1462 \div 34 - 12 \times 7 = ?$

- (a) 12
- (b) 14
- (c) 18
- (d) 16
- (e) 20

**Q19.**  $42.5 \times 15 + 37.5 \times 25 = 1420 + ?$

- (a) 145
- (b) 165
- (c) 155
- (d) 170
- (e) 185

**Q20.**  $2450 + 3760 - 3830 = 6000 - ?$

- (a) 3610
- (b) 3620
- (c) 3580
- (d) 3600
- (e) 3520

**Directions (21-40):-** What approximate value will come in place of question mark (?) in the following questions. (You are not expected to find the exact value)

**Q21.**  $\frac{125.98}{154.03} \times \frac{198.02}{17.99} - \frac{156.05}{101.98} \times \frac{51.03}{78.03} = ?$

- (a) 8
- (b) 25
- (c) 35
- (d) 50
- (e) 0

**Q22.**  $80.08\%$  of 349.98 +  $45.02\%$  of 799.99 =  $? \% \times 255.95$

- (a) 300
- (b) 270
- (c) 235
- (d) 250
- (e) 200

**Q23.**  $\sqrt{1224.99} \div 6.99 = ? - 1799.98$

- (a) 1600
- (b) 1810
- (c) 1950
- (d) 1710
- (e) 1900

**Q24.**  $2744.98 - 1417.99 = ? + 987.98$

- (a) 369
- (b) 299
- (c) 119
- (d) 229
- (e) 339

**Q25.**  $?^2 = 44.99\%$  of 4500.02 -  $24.99\%$  of 3959.98 +  $87.01 \times 2.97$

- (a) 0
- (b) 16
- (c) 36
- (d) 56
- (e) 80

**Q26.**  $1749.98 \div 350 \times 49.79 + 111.03 = (?)^2$

- (a) 19
- (b) 39
- (c) 29
- (d) 9
- (e) 49

**Q27.**  $? \times 625.04 = 15625.01 + 9999.99$

- (a) 41
- (b) 25
- (c) 60
- (d) 12
- (e) 68

**Q28.**  $29.98\% \text{ of } 701 - 350.01 + 82\% \text{ of } 501 = ?$

- (a) 230
- (b) 290
- (c) 270
- (d) 250
- (e) 310

**Q29.**  $5759.99 \div 45.01 + 11.99 = ? \times 10.03$

- (a) 60
- (b) 2
- (c) 46
- (d) 30
- (e) 14

**Q30.**  $1395.98 + 412.04 - 2703.99 = ? - (31.02)^2$

- (a) 28
- (b) 45
- (c) 65
- (d) 85
- (e) 98

**Q31.**  $41.979 \times \frac{22}{7} + 19.989\% \text{ of } 530.014 - 26.021 = ?$

- (a) 244
- (b) 198
- (c) 236
- (d) 212
- (e) 252

**Q32.**  $(23.012 \times 22.989) + 20.985 \times 7.014 = ?^2$

- (a) 8
- (b) 38
- (c) 26
- (d) 12
- (e) 44

**Q33.**  $\sqrt{1443.979} \div 18.981 + 3.5 \times \sqrt{16.017} = (?)$

- (a) 16
- (b) 30
- (c) 8
- (d) 26
- (e) 10

**Q34.**  $779.98 \div 48.014 \times 15.989 = ?$

- (a) 280
- (b) 248
- (c) 275
- (d) 242
- (e) 260

**Q35.**  $1485.988 + 212.04 - 1703.99 = ? - (11.02)^2$

- (a) 95
- (b) 115
- (c) 130
- (d) 102
- (e) 135

**Q36.**  $43.495 \times \frac{64.02}{31.99} \times \frac{1}{28.979} - 2.012 = ?$

- (a) 4
- (b) 12
- (c) 6
- (d) 1
- (e) 8

**Q37.**  $(33.33 \times 80.989 \div 99.99) + 3.024 - ? = 4.012$

- (a) 20
- (b) 26
- (c) 34
- (d) 16
- (e) 40

**Q38.**  $20.021 + 4.969 + 30.499 - 50.022 = ?$

- (a) 5.5
- (b) 2
- (c) 8.5
- (d) 12.5
- (e) 14

**Q39.**  $995.013 - 39.976 \times 19.99 + 5.022 = 1.988 \times ?$

- (a) 115
- (b) 85
- (c) 100
- (d) 125
- (e) 75

**Q40.**  $(10.011)^2 + (23.989)^2 = 275.99 + (?)^2$

- (a) 34
- (b) 6
- (c) 28
- (d) 12
- (e) 20

**Directions (41-60):** What should come in place of question mark (?) in the following questions.

**Q41.**  $0.5, 1, 1.5, ?, 0.75, 0$

- (a) 2
- (b) 1.5
- (c) 1.25
- (d) 1
- (e) 0.75

**Q42.**  $5, 15, 45, 135, ?, 1215$

- (a) 415
- (b) 395
- (c) 410
- (d) 405
- (e) 400

**Q43.** 90, 96, 102, 108, 114, ?

- (a) 116
- (b) 124
- (c) 118
- (d) 122
- (e) 120

**Q44.** 389, 380, 370, 359, ?, 334

- (a) 347
- (b) 345
- (c) 351
- (d) 350
- (e) 348

**Q45.** 1, 3, 6, ?, 18, 29

- (a) 10
- (b) 11
- (c) 9
- (d) 12
- (e) 8

**Q46.** 280, 295, 325, 370, 430, ?

- (a) 515
- (b) 525
- (c) 505
- (d) 490
- (e) 520

**Q47.** 4, 2, 3, 7.5, ?, 118.125

- (a) 24.25
- (b) 28.25
- (c) 27.25
- (d) 25.25
- (e) 26.25

**Q48.** 18, 25, 30, ?, 42, 49

- (a) 37
- (b) 35
- (c) 39
- (d) 41
- (e) 43

**Q49.** 1, 2, 4, 8, ?, 32

- (a) 32
- (b) 24
- (c) 12
- (d) 16
- (e) 20

**Q50.** 121, ?, 169, 196, 225, 256

- (a) 148
- (b) 144
- (c) 140
- (d) 136
- (e) 132

**Q51.** 21, 22, ?, 35, 51, 76

- (a) 28
- (b) 23
- (c) 24
- (d) 26
- (e) 29

**Q52.** 128, ?, 32, 16, 8, 4

- (a) 64
- (b) 60
- (c) 68
- (d) 56
- (e) 72

**Q53.** 16, 22, 28, 34, 40, ?

- (a) 44
- (b) 46
- (c) 48
- (d) 42
- (e) 50

**Q54.** 1, 8, 27, ?, 125, 216

- (a) 68
- (b) 66
- (c) 62
- (d) 60
- (e) 64

**Q55.** 20, ?, 12, 19, 39, 98.5

- (a) 9
- (b) 10
- (c) 11
- (d) 24
- (e) 12

**Q56.** 31, 33, 36, ?, 48, 59

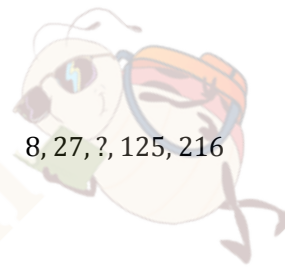
- (a) 38
- (b) 37
- (c) 43
- (d) 41
- (e) 40

**Q57.** 6, 36, 180, 720, ?, 4320

- (a) 3600
- (b) 1080
- (c) 1440
- (d) 2880
- (e) 2160

**Q58.** 23, 29, ?, 41, 47, 53

- (a) 33
- (b) 35
- (c) 37
- (d) 36
- (e) 39



**Q59.** 1, 5, ?, 30, 55, 91

- (a) 13
- (b) 10
- (c) 9
- (d) 14
- (e) 18

**Q60.** 5, 10, 20, 35, 55, ?

- (a) 85
- (b) 75
- (c) 80
- (d) 70
- (e) 65

**Directions (61-80):** Find the wrong term in the following number series questions.

**Q61.** 110, 156, 210, 282, 342, 420, 506

- (a) 342
- (b) 282
- (c) 110
- (d) 420
- (e) 506

**Q62.** 2000, 2000, 1000, 3000, 600, 3750, 625

- (a) 1000
- (b) 3750
- (c) 625
- (d) 600
- (e) 3000

**Q63.** 2, 2, 5, 17, 72, 359, 2159

- (a) 72
- (b) 359
- (c) 5
- (d) 17
- (e) 2159

**Q64.** 9000, 7920, 7020, 6300, 5760, 5400, 5200

- (a) 5400
- (b) 9000
- (c) 6300
- (d) 7020
- (e) 5200

**Q65.** 100, 120, 154, 192, 248, 320, 410

- (a) 100
- (b) 248
- (c) 410
- (d) 154
- (e) 120

**Q66.** 7, 4, 5, 8.5, 20, 52.5, 160.5

- (a) 4
- (b) 20
- (c) 8.5
- (d) 52.5
- (e) 7

**Q67.** 160, 207, 260, 319, 380, 449, 518

- (a) 160
- (b) 319
- (c) 207
- (d) 449
- (e) 380

**Q68.** 12, 6, 6, 12, 36, 231, 1848

- (a) 12
- (b) 1848
- (c) 36
- (d) 231
- (e) Series is right

**Q69.** 14700, 2100, 12600, 2500, 10080, 3360, 6720

- (a) 2100
- (b) 12600
- (c) 10080
- (d) 3360
- (e) 2500

**Q70.** 20.25, 23.04, 26.01, 29.16, 32.56, 36.00, 39.69

- (a) 36.00
- (b) 23.04
- (c) 32.56
- (d) 20.25
- (e) 29.16

**Q71.** 8, 12, 24, 60, 180, 640, 2520

- (a) 60
- (b) 180
- (c) 2520
- (d) 640
- (e) 8

**Q72.** -1, 1, 2, 6, 14, 30, 62

- (a) 1
- (b) 62
- (c) -1
- (d) 14
- (e) 30

**Q73.** 3, 4, 12, 41, 103, 228, 444

- (a) 228
- (b) 3
- (c) 41
- (d) 444
- (e) 103

**Q74.** 5, 3, 4, 7, 17, 45, 138

- (a) 3
- (b) 7
- (c) 17
- (d) 45
- (e) 138

**Q75.** 17, 25, 38, 53, 79, 107, 140

- (a) 79
- (b) 140
- (c) 25
- (d) 53
- (e) 107

**Q76.** 102, 83, 66, 50, 38, 27, 18

- (a) 102
- (b) 83
- (c) 38
- (d) 50
- (e) 66

**Q77.** 2, 12, 36, 80, 150, 251, 392

- (a) 36
- (b) 80
- (c) 251
- (d) 392
- (e) 150

**Q78.** 2, 3, 5, 7, 11, 15, 17

- (a) 3
- (b) 11
- (c) 15
- (d) 17
- (e) 7

**Q79.** 11, 22, 34, 47, 61, 77, 92

- (a) 77
- (b) 61
- (c) 92
- (d) 22
- (e) 34

**Q80.** 2, 6, 11, 23, 47, 95, 191

- (a) 6
- (b) 11
- (c) 47
- (d) 2
- (e) 23

**Directions (81-100):-** In each of the following questions, two equations (I) and (II) are given. Solve the equations and mark the correct option:

- (a) if  $x > y$
- (b) if  $x \geq y$
- (c) if  $x < y$
- (d) if  $x \leq y$
- (e) if  $x = y$  or no relation can be established between  $x$  and  $y$ .

**Q81. I.**  $x^2 - 21x + 110 = 0$

**II.**  $y^2 - 25y + 156 = 0$

**Q82. I.**  $x^2 + 29x + 208 = 0$

**II.**  $y^2 + 35y + 306 = 0$

**Q83. I.**  $x = \sqrt[3]{4096}$

**II.**  $y^2 + 121 = 377$

**Q84. I.**  $3x^2 + 23x + 44 = 0$

**II.**  $4y^2 + 33y + 65 = 0$

**Q85. I.**  $x^2 + 41x + 418 = 0$

**II.**  $y^2 + 47y + 550 = 0$

**Q86. I.**  $2x^2 - 17x + 36 = 0$

**II.**  $3y^2 - 22y + 40 = 0$

**Q87. I.**  $x^2 + 21x + 108 = 0$

**II.**  $y^2 + 14y + 48 = 0$

**Q88. I.**  $2x^2 + 7x - 60 = 0$

**II.**  $3y^2 - 28y + 64 = 0$

**Q89. I.**  $x^2 - 2x - 24 = 0$

**II.**  $y^2 + 3y - 40 = 0$

**Q90. I.**  $4x^2 + 27x + 45 = 0$

**II.**  $5y^2 + 42y + 88 = 0$

**Q91. I.**  $x^2 + 5x + 6 = 0$

**II.**  $y^2 + 9y + 14 = 0$

**Q92. I.**  $x^2 - 18x + 45 = 0$

**II.**  $y^2 + 12y - 45 = 0$

**Q93. I.**  $9x^2 + 11x + 2 = 0$

**II.**  $8y^2 + 6y + 1 = 0$

**Q94. I.**  $6x^2 + 5x + 1 = 0$

**II.**  $4y^2 - 15y = 4$

**Q95. I.**  $x^2 + 3x = 0$

**II.**  $x^2 + y = 10$

**Q96. I.**  $x^2 - 25x + 156 = 0$

**II.**  $y^2 - 29y + 210 = 0$

**Q97. I.**  $x^2 = 196$

**II.**  $y = \sqrt{196}$

**Q98. I.**  $x^2 + 12x + 35 = 0$

**II.**  $y^2 + 14y + 48 = 0$

**Q99. I.**  $3x^2 + 23x + 30 = 0$

**II.**  $y^2 + 15y + 56 = 0$

**Q100. I.**  $x^2 + 17x + 72 = 0$

**II.**  $y^2 + 13y + 42 = 0$

**Q101.** An article when sold at  $\frac{4}{5}$  of its original selling price, gives a profit of 20%. Find the profit % when the same article is sold at its actual selling price.

- (a) 15 %
- (b) 20 %
- (c) 25%
- (d) 22 %
- (e) None of these

**Q102.** Akshay buys an article and markup it 30 % above its cost price. At the time of sale, he gives 10% discount instead of 15% due to which he earns Rs. 13 more. Find cost price.

- (a) Rs. 230
- (b) None of these
- (c) Rs. 150
- (d) Rs. 130
- (e) Rs. 200

**Q103.** Cost price of 2 bags is in ratio 4:5 and these bags are sold at 10% profit & 20% profit respectively. Find overall profit percentage in entire transaction.

- (a)  $15\frac{5}{9}\%$
- (b)  $12\frac{5}{9}\%$
- (c)  $18\frac{5}{9}\%$
- (d)  $14\frac{5}{9}\%$
- (e)  $12\frac{7}{9}\%$

**Q104.** If the shopkeeper marked the price of an item 60% above the cost price and then gives two successive discount of 10% and 15% respectively, then find the profit percentage of the shopkeeper on selling the item?

- (a) 25.4%
- (b) 22.4%
- (c) 20%
- (d) 28.5%
- (e) 32%

**Q105.** Aakash sells an article at a profit of 10%. Had he bought it for 5% less and sold it for 120 rs more then he would have gained 20% profit. What is the cost price of the article ?

- (a) Rs 2500
- (b) Rs 4000
- (c) Rs 3000
- (d) Rs 3500
- (e) Rs 2000

**Q106.** Kappu & Chandu have their speed in ratio 5:6. If both start from 2 points 110 kms away towards each other. How much distance Chandu had travelled more than Kappu when they meet for first time? (both start at same time)

- (a) 11 kms
- (b) 20 kms
- (c) 10 kms
- (d) Cannot be determined
- (e) None of these

**Q107.** What will be the time taken by Rahul to cover the same distance which is covered by Abhishek in 5 hours if ratio of speed of Abhishek and Rahul is 6 : 5?

- (a) 4 hrs
- (b) 5 hrs
- (c) 6 hrs
- (d) 7 hrs
- (e) 3 hrs

**Q108.** Manoj takes twice the time to cover a distance 'D' km than time taken by Shreya to cover 2D km. Manoj started from his home & after 30 min, Shreya started from his house but she caught him after travelling for  $20\frac{2}{3}$  km. Find speed of Shreya. (speed is considered in kmph)

- (a) 40 kmph
- (b) 13.33 kmph
- (c) 28.5 kmph
- (d) 17.77 kmph
- (e) None of these

**Q109.** If train – A starts from P at 8:00 am and train B starts from Q at 10:00 am towards Q and P respectively. If total distance between P to Q is 594 km and speed of train A and train B are 63 km/hr and 54 km/hr respectively, then find at what distance from Q will they cross each other?(in km)

- (a) 208
- (b) 216
- (c) 192
- (d) 180
- (e) 224

**Q110.** Time taken by Dhoni to cover a distance of 'D' km is same as time taken by Rohit to cover '3D' km. if Virat is 50% faster than Rohit and when Dhoni & Virat travel towards each other from points D km apart then they meet after 2 hours. Find time taken by Virat to cover D km.

- (a) 2 hours
- (b) 3.2 hours
- (c) 2.44 hours
- (d) 3.67 hours
- (e) 2.68 hours

**Q111.** A vessel contains mixture of petrol and diesel contains 75% petrol. When some quantity of kerosene oil is added in the vessel then mixture contains 50% petrol. Find ratio of quantity of kerosene oil to diesel in the final mixture.

- (a) 8 : 3
- (b) 2 : 1
- (c) 1 : 2
- (d) 3 : 8
- (e) None of the above.

**Q112.** In a vessel, the ratio of alcohol and water is 3:7. If 20 litres of the mixture is taken out and 2 litres of water is filled into it, the new ratio becomes 1:3. Find the initial quantity of the mixture in the vessel?

- (a) 40 litre
- (b) 20 litre
- (c) 30 litre
- (d) 50 litre
- (e) None of these

**Q113.** Type A milk of cost price Rs 35 per litre is mixed with Type B milk having cost price rs 50 per litre in the ratio 3:2 respectively, then find the selling price(per kg) of the final mixture when sold at 25% profit?(in rs)

- (a) 51.25
- (b) 48.75
- (c) 53.3
- (d) 57.4
- (e) 53.5

**Q114.** In an alloy A, Aluminum and Nickel are present in the ratio 4 : 3 respectively and in alloy B, the same element are in the ratio 3 : 5 respectively. If these two alloys be mixed to form a new alloy in which same elements are in the ratio 1 : 1 respectively, then find the ratio of alloy A and alloy B in the new alloy ?

- (a) 6 : 7
- (b) 7 : 4
- (c) 4 : 7
- (d) 7 : 6
- (e) 4 : 3

**Q115.** The ratio of milk and water in a mixture of 64 litres is 7:1. How much water must be added to it so that the ratio of milk and water becomes 14:5?

- (a) 12 litres
- (b) 15 litres
- (c) 8 litres
- (d) 16 litres
- (e) None of these

**Q116.** A person is 16 yrs older than his son. After 2 yrs, the person's age will be double the age of his son. Then find the age of his son 8 yrs hence?

- (a) 24 yrs
- (b) 20 yrs
- (c) 22 yrs
- (d) 18 yrs
- (e) 28 yrs

**Q117.** Mahesh has two sons named Karan and Arjun. The ratio of present age of Mahesh and Karan is 5 : 2 and that of Karan and Arjun is 4 : 3. Also, Karan is 5 years elder than Arjun. Find the ratio of their ages 10 years ago.

- (a) 10 : 4 : 3
- (b) 7 : 2 : 1
- (c) 8 : 2 : 1
- (d) 8 : 3 : 1
- (e) 12 : 6 : 5

**Q118.** Suman is 25 yrs elder to his son. If 7 yrs hence, the ratio of ages of suman and his son will be 2:1, then how many years back from present suman's son was born?

- (a) 20 yrs
- (b) 24 yrs
- (c) 15 yrs
- (d) 18 yrs
- (e) None of these

**Q119.** 5 yrs hence, the age of shivam increased by 20% and 6 yrs ago the age of Ayush was 25% less than his present age. What is the sum of the ages of shivam and Ayush, 8 yrs hence?

- (a) 54 yrs
- (b) 60 yrs
- (c) 65 yrs
- (d) 56 yrs
- (e) 69 yrs



**Q120.** The present ages of Father and his son is in the ratio 3:1 respectively and if 6 years later, the ratio of their ages becomes 7:3, then find the age of the son 3 years ago?

- (a) 12 yrs
- (b) 9 yrs
- (c) 15 yrs
- (d) 18 yrs
- (e) 14 yrs

**Q121.** Jaddu & Ravi invested equal amount at 10% p.a. rate of interest on simple interest & compound interest. Interest received by Ravi after 2 years is same as interest received by Jaddu after some years. Find investment period of Jaddu.

- (a) 2.8 years
- (b) None of these
- (c) 2.4 years
- (d) 2.1 years
- (e) Cannot be determined

**Q122.** Shivam invested Rs 30000 at a rate of interest 20% p.a. The interest was compounded half-yearly for first year and in the next year it was compounded yearly. What will be total interest earned at the end of the 2 yrs ?

- (a) Rs 12960
- (b) Rs 14800
- (c) Rs 15600
- (d) Rs 13560
- (e) Rs 13980

**Q123.** A man invested Rs.P in three different schemes – A, B and C in the ratio 2 : 1 : 3 respectively. He invested in scheme A at the rate of 10% p.a. at SI for 2 years, in scheme B at the rate of 5% p.a at C.I compounded annually for 2 years and in scheme C at the rate of 6% p.a at CI compounded half yearly for 1 year and received total interest of Rs. 6852. Find the value of P.

- (a) Rs.60000
- (b) Rs.72000
- (c) Rs.48000
- (d) Rs.120000
- (e) can't be determined.

**Q124.** Aakash invested Rs 16800 on simple interest at  $r\%$  p.a. for 3 yrs and received Rs 7560 as total interest. Find the interest amount received by Aakash if the same amount is invested on compound interest at  $(r+5)\%$  rate of interest after 2 yrs?

- (a) Rs 7560
- (b) Rs 7392
- (c) Rs 7120
- (d) Rs 7820
- (e) Rs 7460

**Q125.** A sum of Rs. x was invested at 10% simple interest for 3 years. If the same sum was invested at 4% more for same period, then it would have fetched Rs. 120 more. Find the value of 5x. (in Rs.)

- (a) 5000
- (b) 4800
- (c) 3600
- (d) 5500
- (e) 4000

**Q126.** Arshad & Sanjay undertake a piece of work for Rs 600. Arshad can do it in 15 days and Sanjay can do it in 30 days. With the help of Vidya, they finish it in 5 days. How much Vidya should be paid for her contribution?

- (a) Rs 350
- (b) Rs 400
- (c) Rs 300
- (d) Rs 325
- (e) Rs 380

**Q127.** 4 men & 3 children complete a project for Rs. 600 in 3 days. If a man completes same project in 15 days. Find daily wage of a man.

- (a) Rs 36
- (b) Rs. 40
- (c) Rs. 44
- (d) Rs. 48
- (e) Rs. 42

**Q128.** The work done by 5 boys in 20 days can be done by 10 men in 8 days. 4 Men & 4 boys undertook a work to complete in 3 days for Rs. 540. Find the amount earned by boys for their whole contribution.

- (a) Rs 236
- (b) Rs. 240
- (c) Rs. 244
- (d) Rs. 248
- (e) Rs. 242

**Q129.** Satish is 25% less efficient than Abhishek. Bhavya is 100% more efficient than Satish. If Satish, Bhavya together can complete the work in  $\frac{20}{3}$  days, find in how many days Bhavya & Abhishek together can complete the same work.

- (a) 5 days
- (b)  $\frac{20}{3}$  days
- (c) 4 days
- (d) 6 days
- (e)  $\frac{17}{3}$  days

**Q130.** P can do a piece of work alone in 30 days. If P and Q together can do  $\frac{2}{3}$ rd of same work in 8 days, the find in how many days Q alone can complete  $\frac{3}{4}$ th of the same work?

- (a) 24 days
- (b) 18 days
- (c) 12 days
- (d) 15 days
- (e) None of these

**Q131.** The parallel sides of a trapezium are 4 cm & 10 cm respectively while non-parallel sides are equal to side of square of area 25 sq.cm. find area of trapezium. (in sq.cm.)

- (a) 50
- (b) 42
- (c) 56
- (d) 28
- (e) 14

**Q132.** The ratio of area of square to that of rectangle of length 10 cm is 4 : 5. If breadth of rectangle is same as side of square. Find length of diagonal of square.

- (a)  $9\sqrt{2}$  cm
- (b)  $10\sqrt{2}$  cm
- (c)  $6\sqrt{2}$  cm
- (d)  $4\sqrt{2}$  cm
- (e)  $8\sqrt{2}$  cm

**Q133.** The total surface area of a cylinder is  $368\pi$   $cm^2$  and sum of radius and height of cylinder is 23cm. Find the volume of cone whose total surface area is  $200\pi$   $cm^2$ . (radius of cylinder and cone is equal)

- (a)  $512\pi$   $cm^3$
- (b)  $640\pi$   $cm^3$
- (c)  $320\pi$   $cm^3$
- (d)  $290\pi$   $cm^3$
- (e)  $400\pi$   $cm^3$

**Q134.** The circumference of two circles is 132 m and 176 m respectively. What is difference between the area of larger circle and area of smaller circle ? (in  $m^2$ )

- (a) 1052
- (b) 1128
- (c) 1258
- (d) 1078
- (e) 1528

**Q135.** The perimeter of 4 squares is 24 cm, 32 cm, 40 cm, 48 cm respectively. What will be the area of the square having perimeter equal to sum of edges of 4 squares? (in sq.cm.)

- (a) 64
- (b) 81
- (c) 100
- (d) 121
- (e) 144

**Q136.** If ratio of time periods of investment of P and Q is 4:5, profit at the end of the year is 75000 and P's share is Rs 15000, then what is the ratio of Q's and P's investment?

- (a) 5:16
- (b) 6:7
- (c) 12:13
- (d) 16:5
- (e) 8:5

**Q137.** A and B entered into a partnership with amount Rs 2500 and Rs 4500 respectively and C joined them after 5 months with amount Rs 2400 and if total profit at the end of the year is Rs 16800, then find the difference between profit amount earned by B and C ?(in Rs)

- (a) 6000
- (b) 5800
- (c) 5600
- (d) 6200
- (e) 6400

**Q138.** Arun, Bhavya & Ashu entered into a partnership, ratio of investment of Arun & Bhavya is 4 : x and ratio of investment of Bhavya & Ashu is 3 : 4. If at the end of two years Ashu receives Rs 1850 as profit out of total profit Rs 3700. Then find the value of x?

- (a) 12
- (b) 14
- (c) 16
- (d) 8
- (e) 10

**Q139.** A, B and C invested Rs 7000, Rs 6000 and Rs 8500 respectively in a partnership for 2 yrs .After 2 yrs, A and B increased their investment by Rs 2000 and Rs 1500 respectively and C decreased his investment by Rs 2000. At the end of three yrs, total profit received by them is Rs 26400, then find B's profit share?

- (a) Rs 8400
- (b) Rs 9200
- (c) Rs 7200
- (d) Rs 7800
- (e) Rs 8000

**Q140.** A and B started a business with some amount. After 9 months B left the business & C joins the business with Rs. 12,000 and remains in business till the end of year. At the end of the year, profit share of A, B and C is Rs. 48, Rs. 48 and Rs. 24 respectively. Find the sum of the amount (in Rs.) invested by A and B together in the business?

- (a) 8,000
- (b) 10,000
- (c) 15,000
- (d) 12,000
- (e) 14,000

**Q141.** A boat covers a distance of 10.8 km upstream in 36minutes and the speed of boat in still water is 21kmph. Find the time taken by boat to cover 60km downstream?

- (a) 2 hours 15 minutes
- (b) 2 hours 30 minutes
- (c) 1 hour 48 minutes
- (d) 2 hours
- (e) 2 hours 40 minutes

**Q142.**A boat covers 36 km in downstream in 4 hrs. if the speed of the current is  $\frac{1}{3}$ rd of its downstream speed, then in what time will it cover a distance of 78 km upstream?

- (a) 30 hrs
- (b) 26 hrs
- (c) 28 hrs
- (d) 24 hrs
- (e) 32 hrs

**Q143.** A boat goes 220 km downstream and 108 km upstream in 20 hr. Speed of the boat in still water is 4 times the speed of the stream. Find the sum of time taken by the boat to go 40 km in downstream and 48 km upstream?

- (a) 8 hrs
- (b) 10 hrs
- (c) 6 hrs
- (d) 9 hrs
- (e) None of these

**Q144.**The speed of the boat in still water in 15 km/hr. If the boat travels 54 km each in downstream and upstream in 7.5 hrs, then find the time taken by the boat to travel 48 km in upstream?

- (a) 8 hrs
- (b) 6 hrs
- (c) 3 hrs
- (d) 5 hrs
- (e) 4 hrs

**Q145.**A boat which takes 6 hr to travel 105 km in still water, goes 364 km in upstream and return back to the initial point. If rate of stream is  $\frac{9}{26}$ th of upstream speed of boat, then find how much approximate time did it take in the entire journey?

- (a) 48 hrs
- (b) 40 hrs
- (c) 52 hrs
- (d) 45 hrs
- (e) 56 hrs

**Q146.** The ratio of income of A, B and C is 3 : 7 : 4 and ratio of expenditure is 4 : 2 : 5. If A saves Rs 300 out of Rs 2700, find the average expenditure of A, B and C (in Rs).

- (a) 2200
- (b) 2090
- (c) 2321
- (d) 2000
- (e) 1800

**Q147.** There are 250 questions in an exam. Ram gets 3 marks for every correct answer and -0.5 marks for every wrong answer. If he attempted all the questions and scored 435 marks, find the no. of questions he attempted correct?

- (a) 162
- (b) 164
- (c) 168
- (d) 160
- (e) 150

**Q148.** In a committee of 20 members, the average age is 25 years. The average age of first 18 members is 24 years. What will be the average age of last 2 members?

- (a) 32
- (b) 36
- (c) 38
- (d) 34
- (e) 30

**Q149.** Average expenditure of Manoj & Nawaz is Rs 4500 which is 10% less than that of Sanjay & Irfan. If Sanjay spends Rs 500 more than Nawaz & average expenditure of Nawaz & Sanjay is Rs 4250. Find average expenditure of Manoj & Irfan. (in Rs)

- (a) 4250
- (b) 5000
- (c) 4750
- (d) 5250
- (e) 4500

**Q150.** Anurag ordered three burgers for Rs. 200, Deepak ordered 2 burgers of average price Rs 80 & Veer ordered 3 burgers, each burger cost him Rs 95. Find average cost of each burger.

- (a) Rs. 85.625
- (b) Rs. 75.625
- (c) Rs. 70.625
- (d) Rs. 105.65
- (e) Rs 80.625

**Directions (151-155):-** Given table shows the data of students of a class related to results of Half-yearly and Annual examination. Study the data carefully and answer the questions.

	Section A	Section B	Section C
Students who have failed in both	10	15	20
Students who have passed Half-yearly	30	30	35
Students who have passed Annual	40	25	30
Students who have passed in both	20	20	25

**Q151.** How many students are there in Section B of class?

- (a) 50
- (b) 60
- (c) 90
- (d) 100
- (e) 110

**Q152.** Students passed in both exams in all sections are what percent more/less than students failed in both exams in all sections?

- (a)  $44\frac{10}{13}\%$
- (b)  $30\frac{10}{13}\%$
- (c) 40%
- (d)  $44\frac{4}{9}\%$
- (e)  $40\frac{4}{9}\%$

**Q153.** what is average of students who passed in only one examination in all sections together?

- (a) 39.67
- (b) 40.67
- (c) 41.67
- (d) 42.67
- (e) 43.67

**Q154.** Students failed in both exams in section C are what percent of total students in section C? (in %)

- (a) 30
- (b) 20
- (c) 18
- (d) 25
- (e) 33.33

**Q155.** Which sections have equal number of students?

- (a) section A & B
- (b) section A & C
- (c) section B & C
- (d) all have same no. of students
- (e) none

**Directions (156-160):-** Following Table chart gives the details of 5 students of a particular school in five different subjects in the annual exam.

	Maths (150)	Physics (150)	Chemistry (150)	English (100)	Computer (100)
<b>Amit</b>	70	66	58	54	80
<b>Aakash</b>	50	64	78	65	75
<b>Siddharth</b>	48	72	88	70	86
<b>Lokesh</b>	80	76	84	75	85
<b>Ritesh</b>	76	82	64	72	94

**Note:-**the data provided in the table is percentage of marks out of total marks in that particular subject.

**Q156.** Total marks scored by lokesh in physics, chemistry and maths together is how much more/less than total marks scored by Amit in the same three subjects together?

- (a) 75
- (b) 65
- (c) 69
- (d) 55
- (e) 80

**Q157.** Find the overall percentage of marks scored by Siddharth in the exam?

- (a) 75%
- (b) 82%
- (c) 68%
- (d) 72%
- (e) 80%

**Q158.** Find the difference of total marks scored by Ritesh in all the given subject together and total marks scored by Aakash in all the given subjects together?

- (a) 71
- (b) 84
- (c) 78
- (d) 82
- (e) 93

**Q159.** Find the average marks scored in physics subject by all the given five students together?

- (a) 105
- (b) 110
- (c) 108
- (d) 100
- (e) 98

**Q160.** Total marks scored by Aakash, Siddharth and Lokesh in English is what percentage of the total marks scored by Amit, Aakash and lokesh in maths?

- (a) 75%
- (b) 70%
- (c) 65%
- (d) 68%
- (e) 80%

**Directions (161-165):-** Study the following information carefully and answer the question accordingly.

Three stationary owners A,B and C sells Pen and Pencil. The ratio of the number of pen to pencil sold by stationary A was 7:5 and that sold by stationary B was 3:2 respectively. The number of pens and pencil sold by stationary C was 128 and ratio of number of pen to pencil sold by stationary C was 5:3. The total number of pens sold by stationary A was 10 % more than the pen sold by stationary B.Total numbers of pen and pencils sold by all the three stationary was 874.

**Q161.** If cost of each pen and each pencil sold by A is Rs 20 and Rs 10 respectively, then find total amount earned by stationary A?

- (a) Rs 6370
- (b) Rs 6470
- (c)Rs 6270
- (d) Rs 6300
- (e) Rs 6400

**Q162.**What is the ratio of pens sold by stationary A and B together to pencils sold by B and C together?

- (a) 188:441
- (b) 441:188
- (c) 233:447
- (d) 447:233
- (e) None of these

**Q163.** Find average numbers of pens sold by all the three stationary?

- (a) 176.67
- (b) 172.67
- (c) 177.67
- (d) 173.67
- (e) 179.67

**Q164.**If number of pens sold by stationary B is increased by 20% and number of pencils sold by stationary C is increased by 25%, then what is sum of total pens sold by stationary B and pencil sold by stationary C?

- (a) 312
- (b) 322
- (c)328
- (d) 340
- (e) 304

**Q165.** What is the difference between total number of pens sold by all the 3 stationary together and total number of pencils sold by all the 3 stationary together?

- (a) 178
- (b) 172
- (c) 168
- (d) 184
- (e) 190

**Direction(166-170):** Read the following data carefully and answer the following question.

There are 210 persons in a party, and all of them eat different flavoured icecreams. 40 people eat only butterscotch, 30 people eat all three flavoured icecream,there are total 130 people who eat butterscotch and 100 people who eat vanilla. 40 people eat butterscotch and vanilla only, 10 people eat chocolate and vanilla only.

**Q166.** What is number of person who eat only Chocolate?

- (a) 50
- (b) 40
- (c) 30
- (d) 60
- (e) 70

**Q167.** People eating chocolate and butterscotch only are what percent of people eating only butterscotch?

- (a) 50%
- (b) 60%
- (c) 25%
- (d) 30%
- (e) 40%

**Q168.** number of people eating only vanilla is how much less than the people eating all three types of icecream ?

- (a) 15
- (b) 20
- (c) 30
- (d) 10
- (e) 25

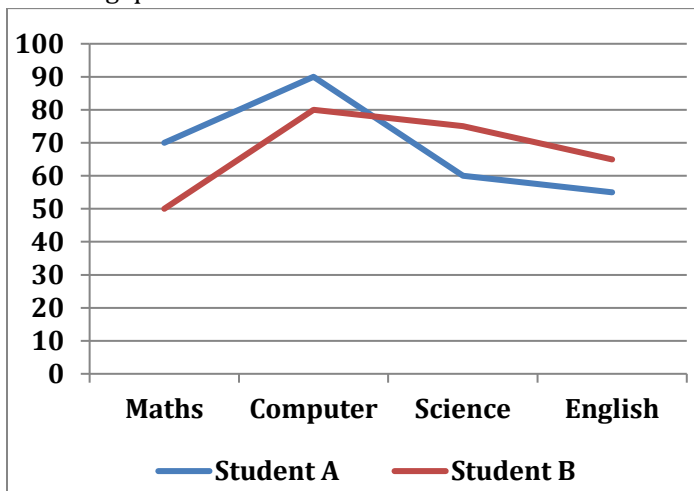
**Q169.** People eating chocolate are what percent of people eating vanilla icecream?

- (a) 100%
- (b) 130%
- (c) 110%
- (d) 120%
- (e) 90%

**Q170.** what is the ratio of people eating only chocolate and only butterscotch together to the person eating only vanilla?

- (a) 2:9
- (b) 9:2
- (c) 3:7
- (d) 7:3
- (e) 5:3

**Direction (171-175):** Following Line Graph shows the marks scored by Student A and Student B in high school in different Subjects. (Maximum Marks is 100 for each subject). Study the data carefully and answer the following questions.



**Q171.** What is difference between average marks scored by Student A and Student B in all subjects?

- (a) 1.75
- (b) 1.45
- (c) 1.50
- (d) 1.25
- (e) 1

**Q172.** What is Ratio of marks obtained by Student A in Maths and Computer together to the marks obtained by Student B in Science and English together?

- (a) 7:5
- (b) 7:8
- (c) 8:7
- (d) 8:5
- (e) 5:7

**Q173.** What is the overall percentage marks scored by Student B?

- (a) 68.75 %
- (b) 67.5 %
- (c) 68%
- (d) 67%
- (e) 69.25%

**Q174.** Marks Scored by Student A in Math is what percent of marks scored by Student B in Science and English together?

- (a) 40%
- (b) 60%
- (c) 50%
- (d) 70%
- (e) 80%

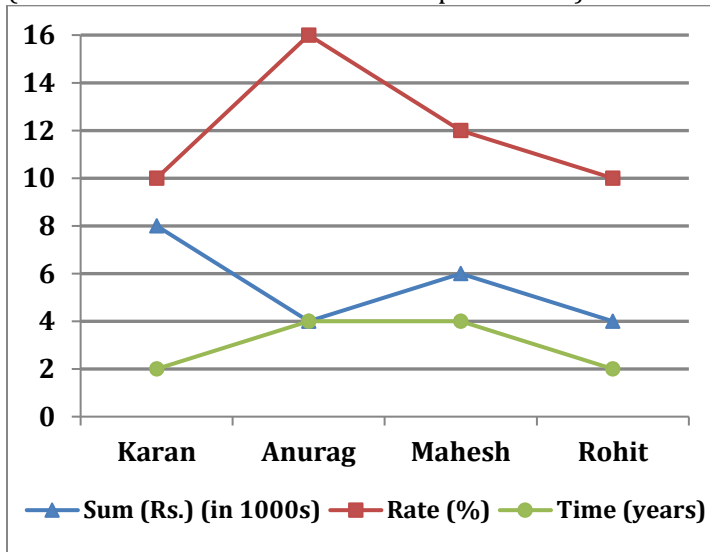
**Q175.** If passing marks for each subject is 40% of 120, then what is the difference between passing marks and marks scored by Student B in Computer?

- (a) 30
- (b) 32
- (c) 36
- (d) 40
- (e) 45



**Directions (176-180):-** Given line graph shows the sum invested, rate of interest and time period of investment by 4 people. Study the data carefully and answer the questions.

(NOTE: all invested their sum at simple interest)



**Q176.** How much will Rohit receive after completion of his investment period? (in Rs.)

- (a) 5200
- (b) 6800
- (c) 4800
- (d) 4400
- (e) 4600

**Q177.** Interest amount received by Mahesh is what percent more than interest amount received by Karan?

- (a) 85%
- (b) 60%
- (c) 75%
- (d) 70%
- (e) 80%

**Q178.** What is total amount received as interest by Anurag & Rohit together? (in Rs.)

- (a) None of these
- (b) 3150
- (c) 3200
- (d) 3360
- (e) 3420

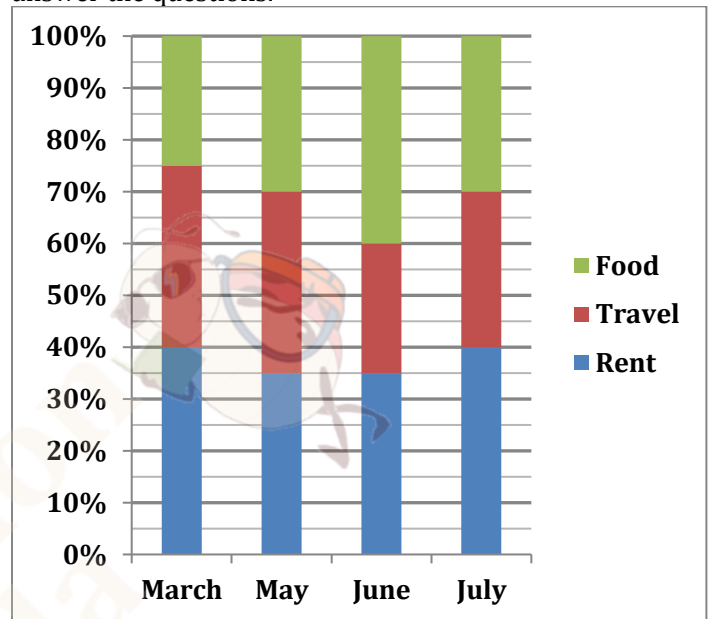
**Q179.** If Karan had invested same sum at compound interest at same rate of interest for same period. How much more would he earn?

- (a) Rs 80
- (b) Rs 90
- (c) Rs 70
- (d) Rs 60
- (e) None of these

**Q180.** Who among the four had received the highest amount as interest?

- (a) Karan
- (b) Anurag
- (c) Both Anurag & Mahesh
- (d) Rohit
- (e) Mahesh

**Directions (181-185):-** Given bar graph shows the data of expenses (in % distribution) of Mr. Chunky in 4 months on rent, travel & food. Study the graph carefully and answer the questions.



**Q181.** If salary of Mr. Chunky is Rs. 12000 in July and his savings is half of his expenditure on rent. Find his expenditure on food. (in Rs.)

- (a) 3500
- (b) 2000
- (c) 4000
- (d) 3000
- (e) 4500

**Q182.** If savings and salary of Mr. Chunky are same for all the given months, then expenditure on travel in March is what percent of expenditure on food in June?

- (a) 87.5%
- (b) 85%
- (c) 90%
- (d) 92.5%
- (e) None of these

**Q183.** If ratio of total expenditure in May & July is 5:4. Find ratio of expenditure on rent in May to expenditure on travel in July.

- (a) 3:2
- (b) 6:7
- (c) 7:6
- (d) 24:35
- (e) 35:24

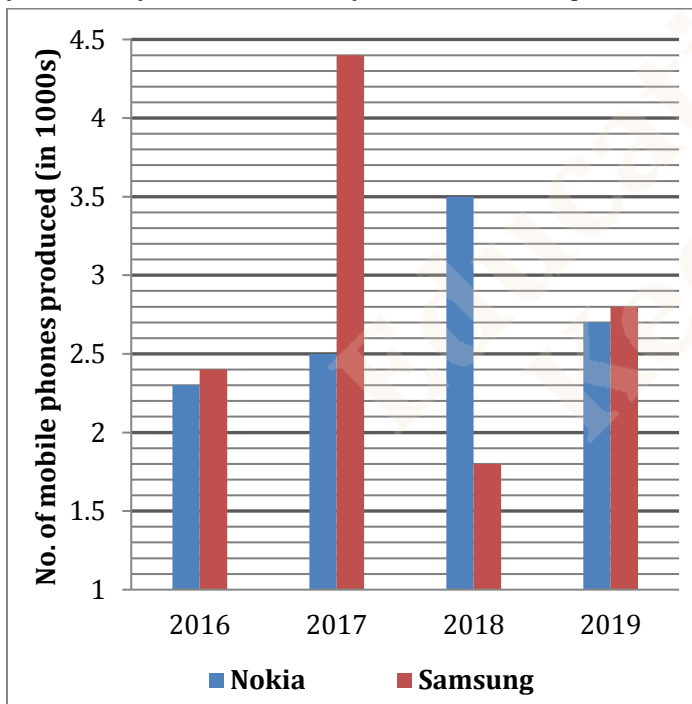
**Q184.** Income of Chunky in March & July is Rs. 5000 & Rs. 8000 of which he saves only 10% in each month. What is his average expenditure on rent in these 2 months?

- (a) Rs. 2400
- (b) Rs. 2300
- (c) Rs. 2340
- (d) Rs. 2430
- (e) Rs. 2360

**Q185.** Expenditure on travel in May is what percent more than expenditure on travel in July if total expenditure for both the months is same?

- (a) 15%
- (b) 12.5%
- (c) 16.67%
- (d) 20%
- (e) 10%

**Directions (186-190):-** Given bar graph shows the production of mobile phones by Nokia & Samsung in 4 years. Study the data carefully and answer the questions.



**Q186.** How many mobile phones have been produced of Samsung over all the years?

- (a) 10800
- (b) 11600
- (c) 11400
- (d) 11000
- (e) 11200

**Q187.** Nokia mobiles produced in 2016 & 2017 together are how much more than Samsung mobiles produced in 2018 & 2019?

- (a) 800
- (b) 100
- (c) 400
- (d) 300
- (e) 200

**Q188.** Samsung mobiles produced in 2018 are what percent of Nokia mobiles produced in 2019?

- (a) None of these
- (b) 60%
- (c) 75%
- (d)  $66\frac{2}{3}\%$
- (e)  $68\frac{2}{3}\%$

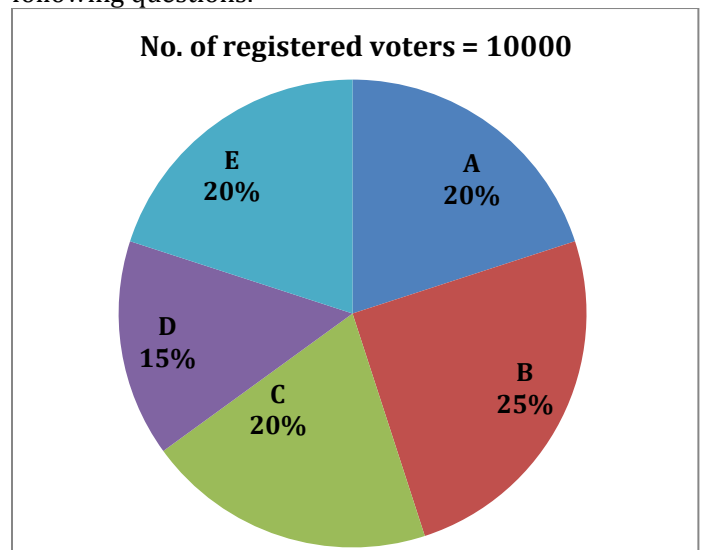
**Q189.** What is the ratio of Nokia mobiles produced in 2016, 2017 & 2018 together to Samsung mobiles produced in 2016, 2017 & 2019 together?

- (a) 83:96
- (b) 35:32
- (c) 83:86
- (d) 96:83
- (e) None of these

**Q190.** In which year the increase in production was maximum as compared to previous year & for which company?

- (a) Nokia, 2017
- (b) Nokia, 2018
- (c) Samsung, 2019
- (d) Nokia, 2019
- (e) Samsung, 2017

**Directions (191-195):-** Given pie diagram shows the percentage distribution of number of registered voters in 5 villages. Study the diagram carefully and answer the following questions.





**Q191.** If 20% of registered voters in village B did not cast their vote and 10 % of votes cast were found invalid. Find no. of valid votes cast in village B.

- (a) 1800
- (b) 1900
- (c) 1950
- (d) 1850
- (e) 2000

**Q192.** In village C, 10% of registered voters did not cast their vote and no vote was invalid from the votes which were cast. The winning candidate defeated the other candidate by 12% of votes cast. Find no. of votes obtained by losing candidate. (There are only 2 candidates contesting in elections in village C)

- (a) 996
- (b) 880
- (c) 1008
- (d) 792
- (e) None of these

**Q193.** Find average number of registered voters in village B, C & D.

- (a) 1700
- (b) 2100
- (c) 1900
- (d) 1800
- (e) 2000

**Q194.** In village A, B, D & E votes cast by only 70%, 65%, 80% and 75% of registered voters respectively. From which village among A, B, D & E did maximum voters cast their votes?

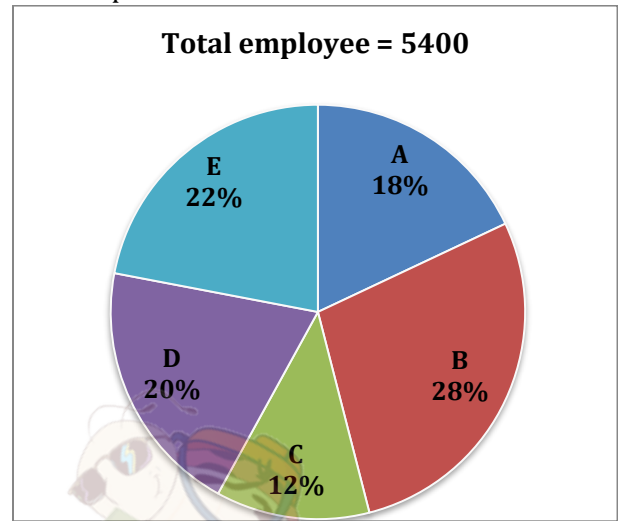
- (a) E
- (b) A
- (c) B
- (d) D
- (e) B & E

**Q195.** Average no. of registered voters from village A & C is what percent of average no. of registered voters from village B, D and E?

- (a) 120%
- (b) 100%
- (c) 90%
- (d) 80%
- (e) 110%

**Directions (196-200):** Study the charts given below carefully and answer the following questions.

Pie chart shows the percentage distribution of total employee in 5 different companies as shown below and table shown below shows the ratio of males to females in these 5 companies.



	Ratio of total males to females (M: F)
<b>A</b>	2:1
<b>B</b>	3:1
<b>C</b>	1:2
<b>D</b>	2:3
<b>E</b>	2:1

**Q196.** What is the ratio of number of males in company E to the number of females in company D?

- (a) 7: 11
- (b) 9:11
- (c) 11:9
- (d) 11: 7
- (e) 7:13

**Q197.** Total number of males in company A are approximately what percent of total females in company E?

- (a) 164%
- (b) 152%
- (c) 170%
- (d) 144%
- (e) 138%

**Q198.** Total males in B, C & D together are what percent of total employees in all 5 companies together?

- (a) 38%
- (b) 33%
- (c) 45%
- (d) 48%
- (e) 52%

**Q199.** How many female employees are there in all the 5 companies together?

- (a) 2084
- (b) 2304
- (c) 2256
- (d) 2178
- (e) 2280

**Q200.** Find the central angle of total employees from company's B and D together?

- (a)  $151.2^\circ$
- (b)  $162^\circ$
- (c)  $165.6^\circ$
- (d)  $187.2^\circ$
- (e)  $172.8^\circ$



Education  
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