

Test II Quantitative Aptitude

Directions (Q. Nos. 51 to 60) *What should come in place of the question mark(?) in the following questions?*

51. $(35)^2 + \sqrt[3]{125} + (25)^2 + 125 = ?$
 (1) 200 (2) 250 (3) 150
 (4) 100 (5) None of these
52. $(?)^2 \times (12)^2 + (48)^2 = 81$
 (1) 26 (2) 32 (3) 9
 (4) 15 (5) None of these
53. $64\% \text{ of } ? + 14 = 176$
 (1) 3800 (2) 3950 (3) 3850
 (4) 3900 (5) None of these
54. $71.25 + ? \times 8 = 4.56$
 (1) 125 (2) 95 (3) 105
 (4) 115 (5) None of these
55. $68 \times \sqrt{?} - 3421 = 591$
 (1) 3249 (2) 3481 (3) 3364
 (4) 3136 (5) None of these
56. $653 \times 749 = ?$
 (1) 489907 (2) 488348 (3) 488444
 (4) 490403 (5) None of these
57. $\frac{12.5 \times 2.4 + 5.5 \times 0.8}{?} = 8$
 (1) 3.4 (2) 4.8 (3) 3.8
 (4) 4.3 (5) None of these
58. $118963 - 107958 - 9589 = ?$
 (1) 1420 (2) 1404 (3) 1416
 (4) 1412 (5) None of these
59. $(5696 + 4 - ?) \times 5 = 1020$
 (1) 1180 (2) 1200 (3) 1240
 (4) 1220 (5) None of these
60. $14.2\% \text{ of } 5500 + 15.6\% \text{ of } ? = 1795$
 (1) 6500 (2) 6200 (3) 5600
 (4) 5800 (5) None of these

Directions (Q. Nos. 61 to 65) *What should come in place of the question mark (?) in the following number series?*

61. 586 587 586 581 570 ? 522
 (1) 545 (2) 543 (3) 551
 (4) 557 (5) None of these
62. 64 54 69 49 74 44 ?
 (1) 89 (2) 69 (3) 59
 (4) 99 (5) None of these
63. 4000 2008 1012 ? 265 140.5 78.25
 (1) 506 (2) 514 (3) 520
 (4) 512 (5) None of these
64. 5 5 15 75 ? 4725 51975
 (1) 520 (2) 450 (3) 525
 (4) 300 (5) None of these
65. 52 26 26 39 78 ? 585
 (1) 195 (2) 156 (3) 234
 (4) 117 (5) None of these

66. Pamela invested an amount of ₹ 35000 for two years at the rate of 5% per annum. What amount of compound interest would she receive at the end of two years?
 (1) ₹ 3587.50 (2) ₹ 3500 (3) ₹ 3580.50
 (4) ₹ 3565.50 (5) None of these
67. Deepak has some hens and some goats. If the total number of animal heads is 90 and the total number of animal feet is 248, what is the total number of goats Deepak has?
 (1) 32 (2) 36 (3) 34
 (4) Cannot be determined (5) None of these
68. What is the least number to be subtracted from 945 to make it perfect square?
 (1) 16 (2) 30 (3) 24
 (4) 45 (5) None of these
69. The average weight of 45 students in a class was calculated as 36 kg. It was later found that the weight of two students in the class was wrongly calculated. The actual weight of one of the boys in the class was 32 kg, but it was calculated as 34kg, and the weight of another boy in the class was 45 kg whereas it was calculated as 40 kg. What is the actual average weight of the 45 students in the class? (Rounded off to two- digits after decimal)
 (1) 36.07 kg (2) 36.16 kg (3) 35.84 kg
 (4) Cannot be determined (5) None of these
70. Two candidates fought an election . One of them got 64% of the total votes and won with 992 votes. What was the total number of votes polled ?
 (1) 1500 (2) 1580 (3) 1550
 (4) Cannot be determined (5) None of these
71. The cost of 5 kg of apples is ₹ 450. The cost of 12 dozen mangoes is ₹ 4320 and the cost of 4 kg of oranges is ₹ 240. What is the total cost of 8 kg of apples, 8 dozens of mangoes and 8 kg of oranges ?
 (1) ₹ 4020 (2) ₹ 4080 (3) ₹ 4000
 (4) ₹ 4050 (5) None of these
72. If the numerator of a fraction is increased by 200% and the denominator of the fraction is increased by 250%, the resultant fraction is $\frac{3}{14}$. What is the original fraction?
 (1) $\frac{1}{2}$ (2) $\frac{3}{14}$ (3) $\frac{1}{6}$
 (4) $\frac{2}{3}$ (5) None of these
73. Mr.Pandit owned 950 gold coins all of which he distributed amongst his three daughters Lalita, Amita and Neela. Lalita gave 25 gold coins to her husband, Amita donated 15 gold coins and Neeta made jewellery out of 30 gold coins. The new respective ratio of the coins left with them was 20:73:83. How many gold coins did Amita receive from Mr. Pandit ?
 (1) 380 (2) 415 (3) 400
 (4) 350 (5) None of these
74. The sum of the two digits of a number is 15 and the difference between them is 3. What is the product of the two digits of the two digit number?
 (1) 56 (2) 63 (3) 42
 (4) Cannot be determined (5) None of these
75. The respective ratio of the present ages of Swati and Trupti is 4:5. Six years hence the respective ratio of their ages will be 6:7. What the difference between their ages ?
 (1) 2 years (2) 3 years (3) 4 years
 (4) Cannot be determined (5) None of these
76. If $2x + 3y = 78$ and $3x + 2y = 72$, what is the value of $x + y$?
 (1) 36 (2) 32 (3) 30
 (4) Cannot be determined (5) None of these
77. A bike covers a certain distance at the speed of 64 km/h in 8 hours. If the bike was to cover the same distance in approximately 6 hours, at what approximate speed should the bike travel ?
 (1) 80 km/h (2) 85 km/h (3) 90 km/h
 (4) 75 km/h (5) 70 km/h
78. The sum of the squares of two consecutive even numbers is 6500. Which is the smaller number ?
 (1) 54 (2) 52 (3) 48
 (4) 56 (5) None of these
79. Vikas gets ₹ 350 for every day that he works. If he earns ₹ 9800 in a month of 31 days, for how many days did he work ?
 (1) 25 days (2) 30 days (3) 24 days
 (4) 28 days (5) None of these
80. In how many different ways can the letters of the word 'CYCLE' be arranged ?
 (1) 120 (2) 240 (3) 30
 (4) 80 (5) None of these

Directions (Q. Nos. 81 to 85) Study the following table carefully and answer the questions given below it.

Number of Candidates Appearing for an Interview for a Post in Various Banks and Percentage of Candidates Qualifying

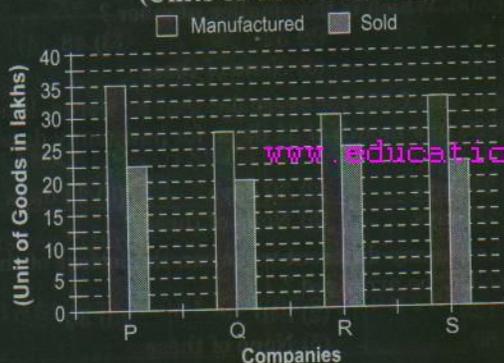
Bank	Candidates Appearing	Percentage of Candidates Qualifying
H	1500	14
I	2200	26
J	3000	17
K	980	20
L	1200	28
M	2500	21

81. The number of candidates who did not qualify in bank K was approximately what per cent of the candidates who did not qualify in bank I ?
 (1) 48 (2) 51 (3) 42
 (4) 44 (5) 53
82. What was the respective ratio of the number of candidates who qualified in bank H to the number of candidate who qualified in bank L?
 (1) 2:5 (2) 5:6 (3) 3:7
 (4) 5:8 (5) None of these

83. What was the average number of candidates who appeared for the interview in bank H, J and L together?
 (1) 1800 (2) 2000 (3) 1500
 (4) 1700 (5) None of these
84. What was the difference between the number of candidates who qualified in banks I and J together and the number of candidates who did not qualify in the same banks?
 (1) 3028 (2) 3040 (3) 3036
 (4) 3032 (5) None of these
85. What was the total number of candidates qualifying in banks K, L and M together?
 (1) 1042 (2) 1057 (3) 1050
 (4) 1045 (5) None of these

Directions (Q. Nos. 86 to 90) Study the following graph carefully and answer the questions given below it.

Units of Goods Manufactured and Sold by Various Companies in a Year
 (Units of Good in lakhs)



86. What is the average units of goods manufactured by all the companies together?
 (1) 31250000 (2) 32150000 (3) 3125000
 (4) 3215000 (5) None of these
87. The units of goods sold by Company S are approximately what per cent of the units of goods manufactured by the same company?
 (1) 75 (2) 69 (3) 65
 (4) 61 (5) 73
88. What is the difference the units of goods manufactured by companies P and Q together and the units of goods sold by the same companies?
 (1) 20 lakh (2) 22.5 lakh (3) 22 lakh
 (4) 20.5 lakh (5) None of these
89. What is the total units of goods sold by all the companies together?
 (1) 70 lakh (2) 75 lakh (3) 80 lakh
 (4) 90 lakh (5) None of these
90. What is the respective ratio of the units of goods sold by companies P and Q together to the units of goods sold by companies R and S together?
 (1) 15:17 (2) 17:18 (3) 17:19
 (4) 19:20 (5) None of these

Directions (Q. Nos. 91 to 95) Study the following information carefully and answer the questions given below it.

In a colony of 5500 members, 18% of the people manage their business and 10% of those who manage their business are females. 65% of the total number of people in the colony serve various organisations. 40% of the number of people serving various organisations is females. 12% of the total number of people in the colony are unemployed. 30% of the number of people unemployed is females. The remaining people in the colony are children, 60% of whom are females.

91. The number of children (both males and females) is approximately what per cent of people who manage their business (both males and females)?
 (1) 28 (2) 24 (3) 32
 (4) 21 (5) 35
92. What is the difference between the male and female children in the colony?
 (1) 65 (2) 55 (3) 45
 (4) 35 (5) None of these
93. What is the total number of adult males in the colony (excluding the children)?
 (1) 3490 (2) 3496 (3) 3500
 (4) 3504 (5) None of these
94. What is the total number of females in the colony?
 (1) 1884 (2) 1896 (3) 1888
 (4) 1892 (5) None of these
95. What is the respective ratio of the unemployed males to the number of males working for various organisations?
 (1) 3:13 (2) 12:65 (3) 4:13
 (4) 16:65 (5) None of these

Directions (Q. Nos. 96 to 100) What approximate value should come in place of the question mark (?) in the following questions?

(You are not expected to calculate the exact value)

96. $31.85 + 3.90 \times 15 = ?$
 (1) 120 (2) 90 (3) 80
 (4) 140 (5) 160
97. $4.99 \times 12.865 + 599 = ?$
 (1) 650 (2) 655 (3) 665
 (4) 670 (5) 675
98. $21 + 63 \div 17 = ?$
 (1) 35 (2) 40 (3) 10
 (4) 25 (5) 15
99. $1562 \div 24\% \text{ of } 356 = ?$
 (1) 24 (2) 18 (3) 12
 (4) 28 (5) 8
100. $5986 \div 364 \times \sqrt{220} = ?$
 (1) 250 (2) 245 (3) 230
 (4) 235 (5) 255