

Solved Paper

TEST III
Quantitative Aptitude

Q.81-90. What should come in place of the question mark (?) in the following questions?

Q.81. $\frac{9}{10} + \frac{3}{11} + \frac{7}{5} = ?$

- (1) $1\frac{217}{330}$ (2) $1\frac{221}{330}$
(3) $1\frac{211}{330}$ (4) $1\frac{197}{330}$
(5) None of these

Q.82. $\sqrt[3]{42875} - ? = 21$

- (1) 18 (2) 13
(3) 15 (4) 11
(5) None of these

Q.83. $\frac{57}{67} \times \frac{32}{171} \times \frac{45}{128} = ?$

- (1) $\frac{15}{262}$ (2) $\frac{15}{268}$
(3) $\frac{15}{266}$ (4) $\frac{17}{268}$
(5) None of these

Q.84. $\frac{1}{4}$ th of $\frac{1}{2}$ of $\frac{3}{4}$ th of 52000 =



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- (1) 4875 (2) 4857
 (3) 4877 (4) 4785
 (5) None of these
- Q.85. $(7921 \div 178) - 5.5 = \sqrt{?}$
 (1) 1512 (2) 1521
 (3) 1251 (4) 1531
 (5) None of these
- Q.86. 38% of 4500 - 25% of ? = 1640
 (1) 260 (2) 270
 (3) 280 (4) 290
 (5) None of these
- Q.87. $(5863 - \sqrt{2704}) \times 0.5 = ?$
 (1) 2955.5 (2) 2905.5
 (3) 2590.5 (4) 2909.5
 (5) None of these
- Q.88. $(?)^2 + 15^2 - 33^2 = 97$
 (1) 33 (2) 32
 (3) 34 (4) 30
 (5) None of these
- Q.89. $25639 - 5252 - 3232 = ?$
 (1) 17255 (2) 17551
 (3) 18515 (4) 17155
 (5) None of these
- Q.90. $283 \times 56 + 252 = ?$
 (1) 805 (2) 803
 (3) 807 (4) 809
 (5) None of these
-
- Q.91-95. What should come in place of the question mark (?) in the following number series?
- Q.91. 353 354 351 356 (?)
 (1) 348 (2) 358
 (3) 338 (4) 385
 (5) 340
- Q.92. 1 5 13 29 ? 125
 253
 (1) 83 (2) 69
 (3) 61 (4) 65
 (5) 81
- Q.93. 45 57 81 165 ?
 (1) 235 (2) 215
 (3) 205 (4) 245
 (5) 225
- Q.94. 17 18 26 53 117 ?
 458
 (1) 342 (2) 142
 (3) 257 (4) 262
 (5) 242
- Q.95. $\frac{1}{4} \quad \frac{1}{2} \quad \frac{3}{4} \quad 1 \quad 1\frac{1}{4} \quad 1\frac{1}{2} \quad 1\frac{3}{4} ?$
 (1) 2 (2) 4
 (3) 6 (4) $1\frac{1}{5}$
 (5) $1\frac{2}{3}$
- Q.96. Mr. Khanna took a loan of Rs. 10,000/- on simple interest for two years at the rate 3 p.c.p.a. The total amount that he will pay as interest in 2 years is 3% of his monthly salary. What is his monthly salary?
 (1) Rs. 30,000/- (2) Rs. 16,000/-
 (3) Rs. 20,000/- (4) Rs. 12,000/-
 (5) None of these
- Q.97. 28% members of a certain group are married. What is the respective ratio between the number of married members to the number of unmarried members?
 (1) 7 : 17 (2) 5 : 18
 (3) 7 : 18
 (4) Cannot be determined
 (5) None of these
- Q.98. The average of five numbers is 49. The average of the first and the second numbers is 48 and the average of the fourth and fifth numbers is 28. What is the third number?



Solved Paper

- (A) 92 (B) 91 is increased by 150% the new fraction thus
 (C) 95 formed is $\frac{9}{10}$. What is the original
 (D) Cannot be determined fraction?
 (E) None of these
- Q.99. In how many different ways can the letters
 of the word 'SECOND' be arranged?
 (1) 720 (2) 120 (1) $\frac{3}{4}$ (2) $\frac{1}{4}$
 (3) 5040 (4) 270 (3) $\frac{3}{5}$ (4) $\frac{2}{5}$
 (5) None of these
- Q.100. If the numerator of a certain fraction
 increased by 200% and the denominator (5) None of these

Q.101-105. Study the following table carefully and answer the questions that follow:

Number of employees from six different banks located in different cities,
 M = Males, F = Females

City Name of Bank	Agra		Delhi		Mumbai		Chennai		Patna		Kolkata	
	M	F	M	F	M	F	M	F	M	F	M	F
A	553	224	254	456	457	388	114	378	234	120	353	325
B	673	116	346	256	346	456	124	235	241	156	348	174
C	443	500	366	345	124	456	235	688	650	234	396	439
D	534	454	478	285	235	235	255	175	124	165	358	234
E	256	235	256	166	574	599	324	198	124	324	125	235
F	556	357	345	287	589	190	189	256	155	181	278	192

- Q.101. What is the ratio of the number of males to the number of females respectively in Patna from Bank A, Bank C and Bank E together?
 (1) 175 : 173 (2) 177 : 173
 (3) 177 : 172 (4) 175 : 172
 (5) None of these
- Q.102. What is the ratio of number of males to the number of females respectively in Bank D from all the cities together?
 (1) 496 : 387 (2) 487 : 356
 (3) 422 : 385 (4) 486 : 397
 (5) None of these
- Q.103. The number of females in all the banks together in Delhi are approximately what percent of the number of males from all the banks together in the same city?
 (1) 88 (2) 98
 (3) 78 (4) 68
 (5) 58
- Q.104. The number of females in Bank B from Agra are what percent of the females in Bank C from the same city?
 (1) 33.2 (2) 23.2
 (3) 13.2 (4) 28.2
 (5) None of these



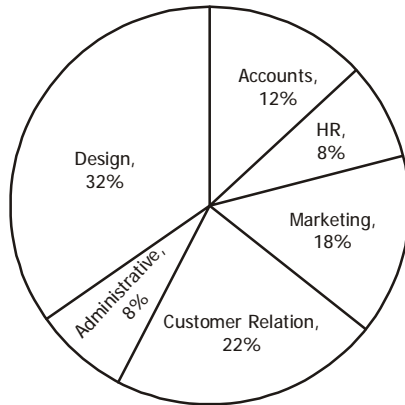
- Q.105. What is the approximate average of the number of males working in all the banks together in Kolkata?
 (1) 350 (2) 310
 (3) 340 (4) 380
 (5) 360
- Q.106. The area of a triangle is half the area of a square. The perimeter of the square is 224 cms. What is the area of the triangle?
 (1) 1856 cm² (2) 1658 cm²
 (3) 1558 cm² (4) 1586 cm²
 (5) None of these
- Q.107. How much will be compound interest to be paid on a principle amount of Rs. 85,000/- after 3 years at the rate of 6 p.c.p.a.?
 (1) Rs. 16623.36/-
 (2) Rs. 16236.36/-
 (3) Rs. 16325.36/-
 (4) Rs. 16632.36/-
 (5) None of these
- Q.108. Yesterday Priti types an essay of 5000 words at the speed of 60 words per minute. Today she types the same faster and her speed was 15% more than yesterday. What is the approximate difference in the time she took to type yesterday and the time she took to type today?
 (1) 20 minutes
 (2) 30 minutes
 (3) 10 minutes
 (4) 40 minutes
 (5) 1 hour
- Q.109. The average speed of a train is 3 times the average speed of a car. The car covers a distance of 520 kms in 8 hours. How much distance will the train cover in 13 hours?
 (1) 2553 kms (2) 2585 kms
 (3) 2355 kms (4) 2535 kms
 (5) None of these
- Q.110. What the value of (x) in the following equation? $\frac{(x)^{0.7}}{36} = \frac{9}{(x)^{1.3}}$
 (1) 17 (2) 19
 (3) 16 (4) 14
 (5) None of these
-
- Q.111-115. What approximate value should come in place of the question mark (?) in the following questions?
 (Note: You are not expected to calculate the exact value.)
- Q.111. $105.003 + 307.99 + 215.630 = ?$
 (1) 610 (2) 650
 (3) 660 (4) 670
 (5) 630
- Q.112. $5223 \div 36 \times 0.93 = ?$
 (1) 135 (2) 125
 (3) 145 (4) 155
 (5) 115
- Q.113. $635 \times 455 \div 403 = ?$
 (1) 735 (2) 795
 (3) 695 (4) 685
 (5) 715
- Q.114. $\sqrt{2228} = ?$
 (1) 57 (2) 47
 (3) 67 (4) 37
 (5) 27
- Q.115. $\sqrt[3]{5332} = ?$
 (1) 8 (2) 38
 (3) 58 (4) 68
 (5) 187
-
- Q.116-120. Study the following graph carefully and answer the questions that follow:



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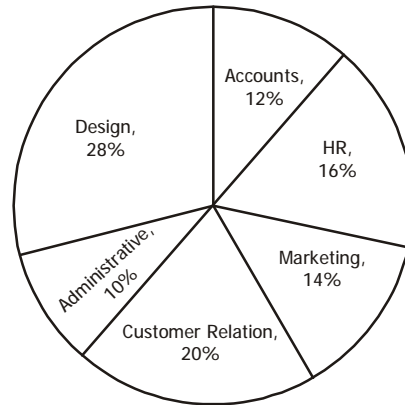
Percentage of employees in different departments of a company

Total No. of employees = 4500



Percentage of females in each departments in the same company

Total No. of female in the organisation = 2000



Q.116. What is the total number males from Design, Customer Relation and HR departments together?

- (1) 1550 (2) 1510
 (3) 1540 (4) 1580
 (5) None of these

Q.117. What is the ratio of number of males in HR department to the number of males in Accounts departments respectively?

- (1) 3 : 17 (2) 4 : 15
 (3) 2 : 15 (4) 2 : 13
 (5) None of these

Q.118. The number of females in the Marketing department are approximately what percent of the total employees in Marketing and Customer Relation Department together?

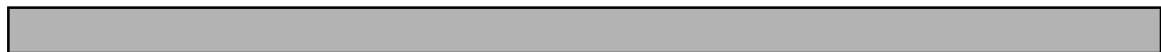
- (1) 26 (2) 36
 (3) 6 (4) 46
 (5) 16

Q.119. What is the respective ratio of number employees in Administrative department to the number of males in the same department?

- (1) 9 : 4 (2) 8 : 3
 (3) 7 : 2 (4) 8 : 5
 (5) None of these

Q.120. The total number of females are that what percent of the total number of males in the organization?

- (1) 90 (2) 70
 (3) 80 (4) 60
 (5) None of these



ANSWERS

81.(3)	82.(5)	83.(2)	84.(1)	85.(2)	86.(3)	87.(2)	88.(5)	89.(4)	90.(1)
91.(2)	92.(3)	93.(5)	94.(5)	95.(1)	96.(3)	97.(3)	98.(5)	99.(1)	100.(1)
101.(3)	102.(1)	103.(1)	104.(2)	105.(2)	106.(5)	107.(2)	108.(3)	109.(4)	110.(5)
111.(5)	112.(3)	113.(5)	114.(2)	115.(5)	116.(2)	117.(3)	118.(5)	119.(1)	120.(3)



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