

## Quantitative Aptitude

**Directions (Q. 101-105)** What should come in place of the question mark (?) in the following questions ?

101.  $7960 + 2956 - 8050 + 4028 = ?$

- (1) 6984 (2) 6884  
(3) 6894 (4) 6954  
(5) None of these

102.  $25 \times 3.25 + 50.4 \div 24 = ?$

- (1) 84.50 (2) 83.35  
(3) 83.53 (4) 82.45  
(5) None of these

103.  $350\% \text{ of } ? \div 50 + 248 = 591$

- (1) 4900 (2) 4890  
(3) 4850 (4) 4950  
(5) None of these

104.  $\frac{1}{2} \text{ of } 3842 + 15\% \text{ of } ? = 2449$

- (1) 3520 (2) 3250  
(3) 3350 (4) 3540  
(5) None of these

105.  $(833.25 - 384.45) \div 24 = ?$

- (1) 1.87 (2) 20.1  
(3) 2.01 (4) 18.7  
(5) None of these

**Directions (Q. 106-110)** What should come in place of the question mark (?) in the following number series ?

106. 325 314 288 247 191 ?

- (1) 126 (2) 116  
(3) 130 (4) 120  
(5) None of these

107. 45 46 70 141 ? 1061.5

- (1) 353 (2) 353.5  
(3) 352.5 (4) 352  
(5) None of these

108. 620 632 608 644 596 ?

- (1) 536 (2) 556  
(3) 656 (4) 646  
(5) None of these

109. 15 25 40 65 ? 170  
 (1) 115 (2) 90  
 (3) 105 (4) 120  
 (5) None of these
110. 120 320 ? 2070 5195 13007.5  
 (1) 800 (2) 920  
 (3) 850 (4) 900  
 (5) None of these
111. Sonika invested an amount of ₹ 5800 for 2 years. At what rate of compound interest will she get an amount of ₹ 594.5 at the end of two years ?  
 (1) 5 p.c.p.a. (2) 4 p.c.p.a.  
 (3) 6 p.c.p.a. (4) 8 p.c.p.a.  
 (5) None of these
112. If the numerator of a fraction is increased by 150% and the denominator of the fraction is increased by 350%, the resultant fraction is  $\frac{25}{51}$ , what is the original fraction ?  
 (1)  $\frac{11}{17}$  (2)  $\frac{11}{15}$   
 (3)  $\frac{15}{17}$  (4)  $\frac{13}{15}$   
 (5) None of these
113. In how many different ways can the letters of the word 'BANKING' be arranged ?  
 (1) 5040 (2) 2540  
 (3) 5080 (4) 2520  
 (5) None of these
114. Meenal purchased a car for ₹ 250000 and sold it for ₹ 348000. What is the per cent profit she made on the car ?  
 (1) 40 (2) 39.2  
 (3) 38.4 (4) 38  
 (5) None of these
115. There are some parrots and some tigers in a forest. If the total number of animal heads in the forest are 858 and total number of animal legs are 1746, what is the number of parrots in the forest ?  
 (1) 845 (2) 833  
 (3) 800 (4) Cannot be determined  
 (5) None of these

**Directions (Q. 116–120)** Study the following table carefully and answer the questions given below it.

**Number of Entertainment Shows Held in Various Cities in a Year**  
(Number in Hundreds)

Cities	Shows				
	Dance	Music	Drama	Stand up Comedy	Mimicry
M	15	21	24	0.8	0.9
N	12.4	13	26	2	0.5
O	5.7	8	12	0.3	0.2
P	11.3	6	18	1	1.5
Q	17	12.4	11	3	0.4
R	14	10.5	9.8	0.7	0.1

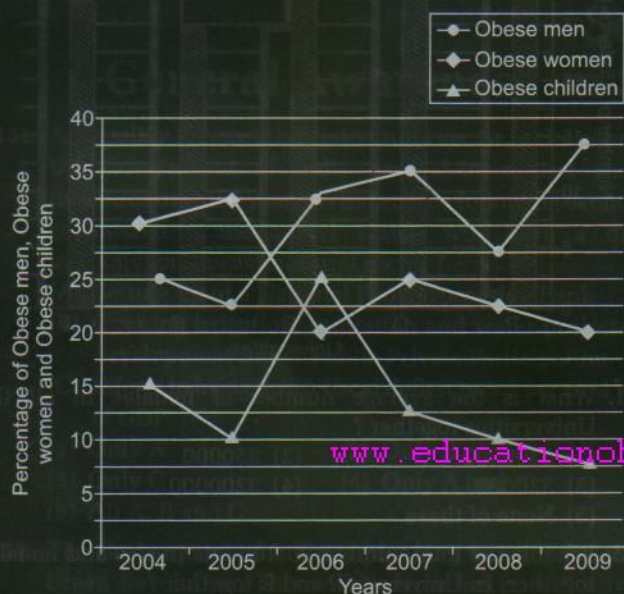
116. The mimicry shows held in city M are what per cent of the drama shows held in city O ?  
 (1) 7 (2) 8.5  
 (3) 6.5 (4) 8  
 (5) None of these
117. What is the average number of entertainment shows held in city P ?  
 (1) 756 (2) 678  
 (3) 786 (4) 698  
 (5) None of these
118. If the number of music shows in city N and Q is increased by 5%, what will be the total number of music shows in both the cities together ?  
 (1) 2602 (2) 2667  
 (3) 2540 (4) 2605  
 (5) None of these
119. What is the respective ratio of the number of dance shows held in city N to the number of drama shows held in city R ?  
 (1) 49 : 62 (2) 49 : 51  
 (3) 62 : 45 (4) 62 : 49  
 (5) None of these
120. What is the total number of stand up comedy shows held in all the cities together ?  
 (1) 820 (2) 740  
 (3) 810 (4) 810  
 (5) None of these
121. By how much is  $\frac{3}{4}$ th of 968 less than  $\frac{7}{8}$ th of 1008 ?  
 (1) 154 (2) 146  
 (3) 165 (4) 158  
 (5) None of these
122. There are two numbers such that the sum of twice the first number and thrice the second number is 100 and the sum of thrice the first number and twice the second number is 120. Which is the larger number ?  
 (1) 32 (2) 12  
 (3) 14 (4) 35  
 (5) None of these
123. When all the students in a school are made to stand in rows of 54, 30 such rows are formed. If the students are made to stand in the rows of 45, how many such rows can be formed ?  
 (1) 32 (2) 12  
 (3) 36 (4) 15  
 (5) None of these
124. The ratio of the present ages of Anju and Sandhya is 13 : 17 respectively. Four years ago the respective ratio of their ages was 11 : 15. What will be the respective ratio of their ages six years hence ?  
 (1) 3 : 4 (2) 7 : 8  
 (3) 5 : 4 (4) 6 : 5  
 (5) None of these



125. The average age of 80 boys in a class is 15. The average age of a group of 15 boys in the class is 16 and the average age of another 25 boys in the class is 14. What is the average age of the remaining boys in the class ?
- (1) 15.25
  - (2) 14
  - (3) 14.75
  - (4) Cannot be determined
  - (5) None of the above

**Directions (Q. 126–130)** Study the following graph and table carefully and answer the questions given below it.

**Percentage of Obese Men, Obese Women and Obese Children in a State in various Years**



**Total Number of Men, Women and Children in the State Over the Years**

Year	Men	Women	Children
2004	54000	38000	15000
2005	75000	64000	21000
2006	63000	60000	12000
2007	66000	54000	16000
2008	70000	68000	20000
2009	78000	75000	45000

126. What was the approximate average of obese men, obese women and obese children in the year 2007 ?
- (1) 12683
  - (2) 12795
  - (3) 12867
  - (4) 12843
  - (5) 12787
127. The number of obese men in the year 2009 were what per cent of the men not suffering from obesity in the same year ?
- (1) 55
  - (2) 60
  - (3) 50.5
  - (4) 65.5
  - (5) None of these

128. What was the respective ratio of the obese women in the year 2006 to the obese men in the year 2008 ?
- (1) 6 : 7
  - (2) 21 : 65
  - (3) 15 : 73
  - (4) 48 : 77
  - (5) None of these
129. What is the difference between the number of obese women and obese children together in the year 2006 and the number of obese men in the same year ?
- (1) 5475
  - (2) 5745
  - (3) 5045
  - (4) 5075
  - (5) None of these
130. What was the total number of children not suffering from obesity in the year 2004 and 2005 together ?
- (1) 4350
  - (2) 31560
  - (3) 4530
  - (4) 31650
  - (5) None of these

**Directions (Q. 131–135)** Study the following information carefully and answer the questions given below it.

Out of the 15,000 candidates eligible for an Officer's Post in a Public Sector Bank, 450 candidates have prior experience of working in Public Sector Banks in rural areas only. 25% of the total number of candidates have prior experience of working in Public Sector Banks in urban areas only. 12% of the total number of candidates have prior experience of working in Private Sector Banks in urban areas only. 2% of the total number of candidates have prior experience of working in Private Sector Banks in rural areas only. 3,600 candidates have worked in Public Sector Banks in both urban and rural areas. 15% of the total number of candidates have worked in both Public and Private Sector Banks in urban areas only. 600 candidates have worked in both Public and private and Private Sector Banks in rural areas only. The remaining candidates have no prior experience of working in the Banking industry.

131. How many candidates have prior experience of working in rural areas (both Public Sector and Private Sector Banks together) ?
- (1) 4350
  - (2) 4950
  - (3) 4800
  - (4) 4900
  - (5) 4850
132. How many total candidates have prior experience of working in Public Sector Banks (urban and rural areas together) ?
- (1) 12450
  - (2) 8400
  - (3) 10050
  - (4) 10650
  - (5) None of these
133. What is the respective ratio of the candidates who have a prior experience of working in Public Sector Banks in rural areas only to the candidates who have a prior experience of working in Private Sector Banks in rural areas only ?
- (1) 4 : 3
  - (2) 3 : 2
  - (3) 2 : 3
  - (4) 3 : 4
  - (5) None of these



134. What is the total number of candidates who have worked in Private Sector Banks in urban areas ?

- (1) 1800 (2) 2250  
(3) 4050 (4) 3600  
(5) None of these

135. The candidates who have no prior experience of working in the banking industry are what per cent of the candidates who have worked in Public Sector Banks in both urban and rural areas together ?

- (1) 60.5 (2) 63.5  
(3) 62 (4) 64  
(5) None of these

Directions (Q. 136–140) Study the following table carefully and answer the questions given below it.

Percentage of Marks Obtained by Various Students in Various Subjects in an Examination

Students	Marks					
	English (out of 100)	Hindi (Out of 100)	Science (out of 150)	History (out of 60)	Maths (out of 150)	Geography (out of 40)
A	68	75	82	60	96	55
B	88	73	85	65	88	65
C	75	56	72	75	75	80
D	70	66	80	70	74	75
E	72	60	68	74	68	75
F	85	70	90	70	74	70

136. What is approximate overall per centage obtained by C in the examination ?

- (1) 78 (2) 69  
(3) 75 (4) 71  
(5) 65

137. What is the difference in the marks obtained by B in English and Maths together and the marks obtained by F in the same subjects ?

- (1) 24 (2) 17  
(3) 15 (4) 28  
(5) None of these

138. The marks obtained by E in Geography are what per cent of the marks obtained by E in Hindi ?

- (1) 45 (2) 55  
(3) 50 (4) 60  
(5) None of these

139. What is the overall per centage of marks obtained by D in History and Geography together ?

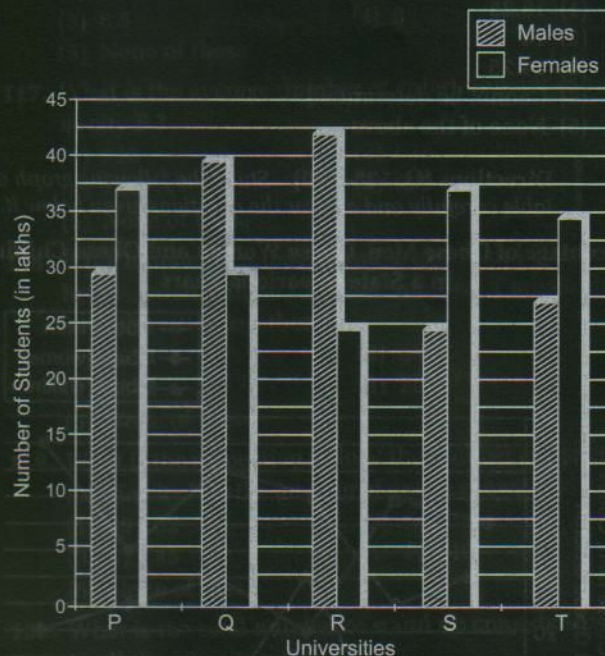
- (1) 73.40 (2) 72.80  
(3) 70.50 (4) 68.80  
(5) None of these

140. What is the average marks obtained by all the students together in Science ?

- (1) 77.16 (2) 120.50  
(3) 118 (4) 121  
(5) None of these

Directions (Q. 141–145) Study the following Graph carefully and answer the questions given below.

Number of Students Studying in Different Universities in a Year (Number in Lakhs)



141. What is the average number of females in all the Universities together ?

- (1) 3300000 (2) 350000  
(3) 320000 (4) 3200000  
(5) None of these

142. What is the total number of students (males and females together) in University P and R together ?

- (1) 1300000  
(2) 1350000  
(3) 1400000  
(4) 14500000  
(5) None of the above

143. What is the respective ratio of the number of females from University P and Q together to the number of males in the University R and T together ?

- (1) 27 : 32 (2) 27 : 28  
(3) 25 : 28 (4) 28 : 27  
(5) None of these

144. The number of males in University Q are what per cent of the total number of students (males and females together) in University S ?

- (1) 68 (2) 62  
(3) 66 (4) 64  
(5) None of these

145. If the total number of males in University T increases by 50%, what would be the total number of students (males and females together) in that University ?

- (1) 7526000 (2) 76250000  
(3) 7625000 (4) 75260000  
(5) None of these

**Directions (Q. 146–150)** What approximate value should come in place of the question mark (?) in the following questions ? (You are not expected to calculate the exact value).

146.  $57\% \text{ of } 394 - 2.5\% \text{ of } 996 = ?$

- (1) 215                      (2) 175  
(3) 200                      (4) 180  
(5) 205

147.  $96.996 \times 9.669 + 0.96 = ?$

- (1) 860                      (2) 870  
(3) 1020                      (4) 971  
(5) 1100

148.  $\frac{3}{5} \times \frac{1125}{1228} \times 7 = ?$

- (1) 7                      (2) 12                      (3) 9  
(4) 4                      (5) 15

149.  $(\sqrt{339} \times 25) + 30 = ?$

- (1) 12                      (2) 15                      (3) 24  
(4) 21                      (5) 9

150.  $(638 + 9709 - 216) \div 26 = ?$

- (1) 275                      (2) 365  
(3) 420                      (4) 300  
(5) 390