

## TEST-III: QUANTITATIVE APTITUDE

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

101.  $(47 \times 588) \div (28 \times 120) = ?$   
 (1) 6.284 (2) 7.625  
 (3) 8.225 (4) 8.285  
 (5) None of these
102.  $45\% \text{ of } 224 \times \% \text{ of } 120 = 8104.32$   
 (1) 67 (2) 62  
 (3) 59 (4) 71  
 (5) None of these
103.  $\sqrt{7921} \times 51 + 374 = (?)^3$   
 (1) 16 (2) 19  
 (3) 15 (4) 21  
 (5) None of these
104.  $6573 = 21 \times (0.2)^2 = ?$   
 (1) 7825 (2) 62.6  
 (3) 1565 (4) 12.52  
 (5) None of these
105.  $74156 - ? - 321 - 20 + 520 = 69894$   
 (1) 3451 (2) 4441  
 (3) 5401 (4) 4531  
 (5) None of these

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

106. 1548      516      129      43      ?  
 (1) 11 (2) 10.75  
 (3) 9.5 (4) 12  
 (5) None of these
107. 949 189.8 ? 22.776      11.388      6.8328  
 (1) 48.24 (2) 53.86  
 (3) 74.26 (4) 56.94  
 (5) None of these
108. 121    144    190    259 ?      466  
 (1) 351 (2) 349  
 (3) 374 (4) 328  
 (5) None of these
109. 14    43.5    264    ?      76188  
 (1) 3168 (2) 3176  
 (3) 1587 (4) 1590  
 (5) None of these
110. 41    164    2624    ?    6045      696  
 (1) 104244 (2) 94644  
 (3) 94464 (4) 102444  
 (5) None of these
111. Two numbers are less than the third number by 50% and 54% respectively. By how much percent is the second number less than the first number ?  
 (1) 13 (2) 10  
 (3) 12  
 (4) Cannot be determined  
 (5) None of these

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112. In how many different ways can the letters of the word 'BLOATING' be arranged?  
 (1) 40320  
 (2) 5040  
 (3) 2520  
 (4) 20160  
 (5) None of these
113. The average of 5 numbers is 306.4. The average of the first two numbers is 431 and the average of the last two numbers is 214.5. What is the third number?  
 (1) 108 (2) 52  
 (3) 321  
 (4) Cannot be determined  
 (5) None of these
114. Fifty-six men can complete a piece of work in 24 days. In how many days can 42 men complete the same piece of work?  
 (1) 18 (2) 32  
 (3) 98 (4) 48  
 (5) None of these
115. A man takes 6 hours 35 minutes in walking to a certain place and riding back. He would have taken 2 hours less by riding both ways. What would be the time he would take to walk both ways?  
 (1) 4 hrs 35 mins  
 (2) 8 hrs 35 mins  
 (3) 10 hrs  
 (4) 8 hrs 25 mins  
 (5) None of these

**Directions (Q. 116-120):** Study the following table care-fully and answer the-questions given below.

Number of Males & Females staying in various Societies		
Societies	Males	Females
A	250	350
B	400	150
C	300	275
D	230	300
E	180	250
F	325	300

**Percentage of Children (Males & Females) in the Societies**

Societies	Children	Male	Female Children
A	25%	40%	60%
B	40%	75%	25%
C	16%	25%	75%
D	25%	80%	20%
E	40%	50%	50%
F	24%	46%	54%

116. What is the ratio of the number of adult females to the total number of female children staying in all the societies together?  
 (1) 243 : 82  
 (2) 112 : 71  
 (3) 82 : 243  
 (4) 71 : 112  
 (5) None of these
117. What is the total number of female children staying in all the societies together?  
 (1) 314 (2) 433  
 (3) 410 (4) 343  
 (5) None of these
118. What is the ratio of the total number of adult males in Societies A and B together to the total number of adult males in Societies E and F together?  
 (1) 75 : 79  
 (2) 14 : 17  
 (3) 79 : 75  
 (4) 17 : 14  
 (5) None of these
119. What is the total number of members staying in all the societies together?  
 (1) 3520 (2) 3360  
 (3) 4100 (4) 3000  
 (5) None of these
120. What is the difference between the number of male children in Society B and the number of male children in Society F?  
 (1) 84 (2) 14  
 (3) 96 (4) 26  
 (5) None of these

**Directions (Q. 121-125):** Study the following pie-chart carefully and answer the questions given below.

**Percentage of People in a city working in Night Shifts from various Industries (Total number of People = 40250)**



**Percentage of Females from various Industries working in night shifts.**

Industries	Females
IT	20%
Gaming	20%
Call Centre	45%
Sales	60%
Banking	40%
Chemical Industries	15%

121. What is the ratio of the men to the women working in night shifts from the Call Centre industry?  
 (1) 9:11 (2) 7:5  
 (3) 8:13 (4) 11:7  
 (5) None of these
122. What is the approximate average number of females working in night shifts from all the industries together?  
 (1) 2227 (2) 4481  
 (3) 3326 (4) 2823  
 (5) 4107
123. What is the total number of men working in night shifts from all the industries together?  
 (1) 28297 (2) 25788  
 (3) 28678 (4) 26887  
 (5) None of these
124. The number of women from the gaming industry is what per cent of the total number

of people working in the night shifts from all the industries together?

- (1) 5.6 (2) 3.6  
 (3) 3.2 (4) 4.4  
 (5) None of these
125. What is the difference between the total number of men and the total number of women working in night shifts from all the industries together?  
 (1) 13254 (2) 13542  
 (3) 13524 (4) 13363  
 (5) None of these

**Directions (Q. 126-130):** Study the following table carefully and answer the questions given below.

**Number of people working in various departments from various organisations**

Departments	Organisations				
	A	B	C	D	E
HR	1050	1015	976	888	1004
Finance	1017	960	786	1025	963
Marketing	1382	1384	1275	1300	1290
Production	1542	1545	1550	1570	1580
Accounts	786	745	801	800	735
Legal	48	54	36	30	53

126. The total number of employees working in the legal department is approximately what per cent of the total number of employees working in HR department of all the organisations together?  
 (1) 4 (2) 8  
 (3) 12 (4) 6  
 (5) 10
127. What is the approximate difference between the average number of people working in Marketing and Production departments from all the organisations together?  
 (1) 578 (2) 231  
 (3) 330 (4) 1156  
 (5) 300
128. What is the ratio of the total number of employees working in organisation A to the

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total number of employees working in organisation E?

- (1) 225:233 (2) 71:75  
(3) 75:71 (4) 233:215  
(5) None of these

129. What is the total number of employees from all the departments working in all the organisations together?

- (1) 26960 (2) 28910  
(3) 28190 (4) 29660  
(5) None of these

130. The number of people working in the Finance department from organisation B is approximately what per cent of the total number of employees working in organisation B?

- (1) 12 (2) 15  
(3) 20 (4) 17  
(5) 25

**Directions (Q. 131-135):** Study the following data carefully and answer the questions given below.

Out of a total number of commuters commuting daily in a city, 17,171 commuters commute only by trains. 7359 commuters commute only by bikes and 22,077 commuters commute only by buses. 14,718 commuters commute only by their private cars and 4,906 commuters commute only by autos. 7,359 commuters commute only by taxis. 26,983 commuters commute by buses as well as trains. 9,812 commuters commute by autos as well as trains. 12,265 commuters commute by buses as well as autos.

131. The total number of commuters commuting by trains forms what per cent of the total number of commuters commuting daily?

- (1) 22 (2) 44  
(3) 14 (4) 36  
(5) None of these

132. The total number of commuters commuting by autos forms what per cent of the total number of commuters, commuting daily?

- (1) 10 (2) 18  
(3) 22 (4) 4  
(5) None of these

133. The total number of commuters commuting by bikes and taxis together forms what per

cent of the total number of commuters commuting daily?

- (1) 12 (2) 6  
(3) 8 (4) 16  
(5) None of these

134. What is the total number of commuters in the city commuting daily?

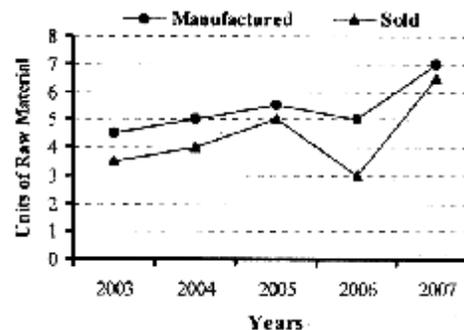
- (1) 122650 (2) 126250  
(3) 162250 (4) 152260  
(5) None of these

135. The number of commuters commuting only by bus forms what per cent of the total number of commuters commuting daily?

- (1) 40 (2) 22  
(3) 32 (4) 18  
(5) None of these

**Directions (Q. 136-140):** Study the following graph carefully and answer the questions given below.

Units of Raw Material Manufactured and Sold by a Company Over the Years (Units in Crores)



136. What is the average number of units sold over the years?

- (1) 44000000 (2) 4400000  
(3) 440000 (4) 44000000  
(5) None of these

137. What is the ratio of the difference between the number of units manufactured and sold in the year 2005 to the difference between the number of units manufactured and sold in the year 2006?

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

138. What is the ratio of the number of units manufactured in the year 2003 to the number of units manufactured in the year 2007?  
 (1) 7:11 (2) 9:14  
 (3) 7:9 (4) 9:11  
 (5) None of these
139. What is the approximate per cent increase in the number of units sold in the year 2007 from the previous year?  
 (1) 190 (2) 70  
 (3) 60 (4) 95  
 (5) 117
140. What is the difference between the number of units manufactured and the number of units sold over the years?  
 (1) 5000000 (2) 500000  
 (3) 50000000 (4) 500000  
 (5) None of these
141. If the numerator of a fraction is increased by 200% and the denominator of the fraction is increased by 150%, the resultant fraction is  $\frac{7}{10}$ . What is the original fraction?  
 (1) 4 (2) 12  
 (3) 11 (4) 9  
 (5) None of these
142. Samiara, Mahira and Kiara rented a set of DVDs at a rent of Rs 578. If they used it for 8 hours, 12 hours and 14 hours respectively, what is Kiara's share of rent to be paid?  
 (1) Rs238  
 (2) Rs204  
 (3) Rs 192  
 (4) Rs 215  
 (5) None of these
143. Kamlesh bought 65 books for Rs 1,050 from one shop and 50 books for Rs 1,020 from another. What is the average price he paid per book?  
 (1) Rs 36.40  
 (2) Rs 18.20  
 (3) Rs 24 (4) Rs 18  
 (5) None of these
144. In an election between two candidates, one got 52% of the total valid votes. 25% of the total votes were invalid. The total number of votes was 8400. How many valid votes did the other person get?  
 (1) 3276  
 (2) 3196  
 (3) 3024  
 (4) Cannot be determined  
 (5) None of these
145. The ratio of length to breadth of a rectangular plot is 8 : 5 respectively. If the breadth is 60 metres less than the length, what is the perimeter of the rectangular plot?  
 (1) 260 metres  
 (2) 1600 metres  
 (3) 500 metres  
 (4) Cannot be determined.  
 (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.  $\frac{3}{7} \times \frac{4}{9} \times \frac{2}{5} \times 3719 = ?$   
 (1) 341 (2) 283  
 (3) 274 (4) 301  
 (5) 288
147.  $0.008 + 6.009 \div (0.7)^2 = ?$   
 (1) 21 (2) 6  
 (3) 12 (4) 8  
 (5) 18
148.  $(\sqrt[3]{795657} \times 7) \div (3.8 \times 5.5) = ?$   
 (1) 48 (2) 22  
 (3) 43 (4) 26  
 (5) 31
149.  $98 \times 785 \div (285)^2 = ?$   
 (1) 0.3 (2) 1.8  
 (3) 2.2 (4) 0.9  
 (5) 0.08
150.  $749 \times 0.56 + 14.38 = ?$   
 (1) 30 (2) 35  
 (3) 42 (4) 25  
 (5) 45

**ANSWERS**

101. (3)	102. (1)	103. (5)	104. (4)	105. (3)	106. (2)	107. (4)	108. (1)	109. (5)	110. (3)
111. (5)	112. (1)	113. (5)	114. (2)	115. (2)	116. (1)	117. (3)	118. (4)	119. (2)	120. (3)
121. (5)	122. (1)	123. (4)	124. (2)	125. (3)	126. (1)	127. (2)	128. (5)	129. (3)	130. (4)
131. (2)	132. (3)	133. (1)	134. (1)	135. (4)	136. (4)	137. (3)	138. (2)	139. (5)	140. (1)
141. (2)	142. (1)	143. (4)	144. (3)	145. (5)	146. (2)	147. (3)	148. (5)	149. (4)	150. (1)

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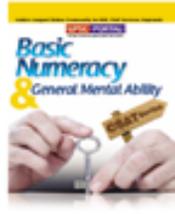
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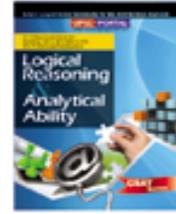
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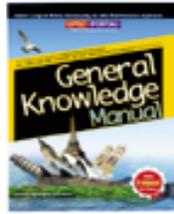
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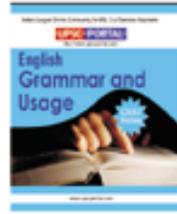
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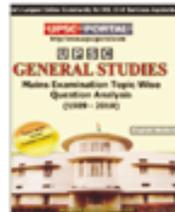
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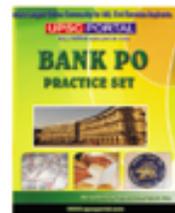
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