QUANTITATIVE APTITUDE

126-130. What should come in place of the question mark (?) in the following questions?

126. $361 \times 250 + 50 = 25 \times ?$
(1) 74.2 (2) 72.2
(3) 70.4 (4) 72.4
(5) None of these

127. $\frac{1}{4} \times 5620 - \frac{2}{5} \times ? = 373$
(1) 2850 (2) 2540
(3) 2560 (4) 2480
(5) None of these

128. $(?)^3 + 32 = 54$
(1) 18 (2) 2744
(3) 1728 (4) 12
(5) None of these

129. 36% of 365 + ?% of 56.2 = 156.69
(1) 35 (2) 30
(3) 45 (4) 40
(5) None of these

130. $\sqrt{2916} \times \sqrt{?} = 2268$
(1) 1764 (2) 42
(3) 1936 (4) 44
(5) None of these

131-135. In the following number series a wrong number is given. Find out the wrong number.

131. 150 290 560 1120 2140 4260 8400
(1) 2140 (2) 560
(3) 1120 (4) 4230
(5) 290

132. 10 8 13 35 135 671 4007
(1) 8 (2) 671
(3) 135 (4) 13
(5) 35

133. 80 42 24 13.5 8.75 6.375 5.1875
(1) 8.75 (2) 13.5
(3) 24 (4) 6.375
(5) 42

134. 125 75 45 25 16.2 9.72 5.832
an
(1) 25 (2) 45
(3) 9.72 (4) 16.2
(5) 75

135. 29 37 21 43 13 53 5
(1) 37 (2) 53 (3) 13
(4) 21 (5) 43

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136-140. Study the following table carefully d answer the question given below it.

Various Food-grains sold by various farmers at various prices

(Price Per Kg.)

1 Food grains armers	Rice	Corn	Bajra	Paddy	Jowar
A	30	22.5	22	24	18
B	36	28	24.5	25	24
C	40	24	21	26	20.5
D	34.5	27.5	28	25	25
E	36	32	30	28.5	27

36. If Farmer A sells 350 kgs. of Rice, 150

how much would he earn?
(1) Rs. 19,425/- (2) Rs. 18,500/-
(3) Rs. 15,585/- (4) Rs. 18,375/-
(5) None of these

137. What is the average price per kg. of Bajra sold by all the farmers together?
(1) Rs. 25.10 (2) Rs. 24.50
(3) Rs. 25 (4) Rs. 23.40
(5) None of these

138. If farmer D and farmer E, both sell 240 kgs. of Bajra each, what would be the respective ratio of the earnings?
(1) 15 : 14 (2) 11 : 13
(3) 14 : 15 (4) 13 : 15
(5) None of these

139. If farmer C cells 180 kgs. each of Corn, Paddy and Jowar grains, how much would he earn?
(1) Rs. 13,540/- (2) Rs. 12,550/-
(3) Rs. 13,690/- (4) Rs. 12,690/-
(5) None of these

140. Earnings on 150 kgs. of Paddy sold by farmer B are approximately what percent of the earnings on the same amount of Rice sold by the same farmer?
(1) 65 (2) 69 (3) 73
(4) 60 (5) 75

141. Shamita took a loan at simple rate of 6 p.c.p.a. in the first and it increased by 1.5 p.c.p.a. every year. If she pays Rs. 8,190/- as interest at the end of 3 years, what was her loan amount?
(1) Rs. 36,000/- (2) Rs. 35,400/-
(3) Rs. 36,800/-
(4) Cannot be determined

142. Which of the following fractions are in descending order?
(1) $\frac{5}{12},\frac{2}{7},\frac{3}{11},\frac{2}{9},\frac{1}{5}$
(2) $\frac{2}{7},\frac{2}{9},\frac{3}{11},\frac{1}{5},\frac{5}{12}$
(3) $\frac{1}{5},\frac{2}{9},\frac{3}{11},\frac{2}{7},\frac{5}{12}$
(4) $\frac{5}{12},\frac{3}{11},\frac{2}{7},\frac{2}{9},\frac{1}{5}$
(5) None of these

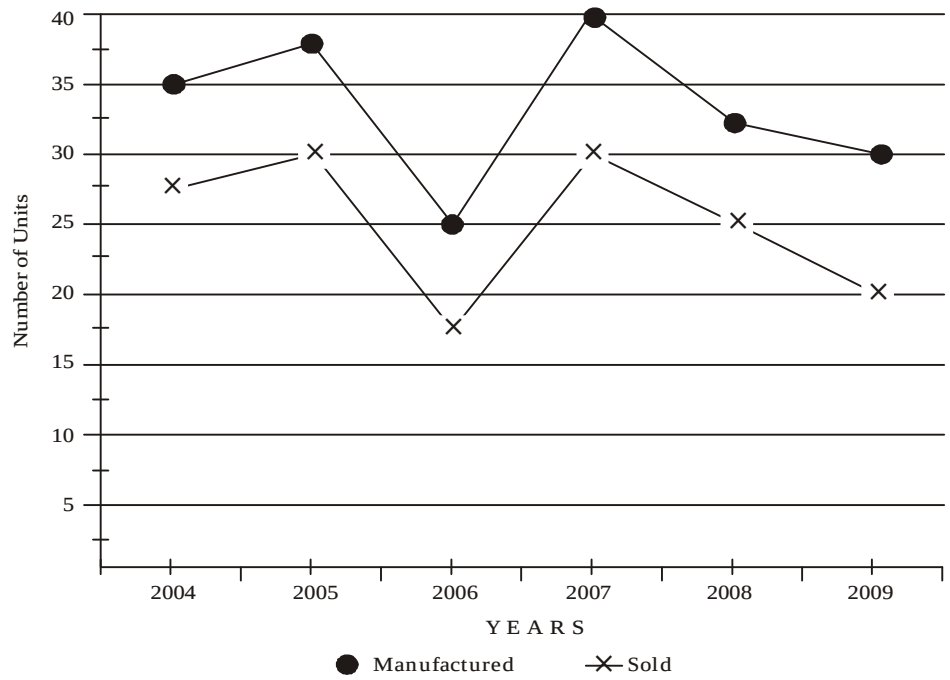
143. In how many different ways can the letters of the word 'AWARE' be arranged?
(1) 150 (2) 120 (3) 40
(4) 60 (5) None of these

144. Ayesha can complete a piece of work in 16 days. Amita can complete the same piece of work in 8 days. If both of them work together in how many days can they complete the same piece of work?
(1) 6 days (2) $4\frac{2}{5}$ days
(3) $5\frac{1}{3}$ days (4) 12 days
(5) None of these

145. The average of 5 numbers is 65. The average of the first two numbers is 81 and the average of the last two numbers is 38. What is the third number?
(1) 63 (2) 87 (3) 99
(4) Cannot be determined
(5) None of these

146-150. Study the following graph carefully and answer the questions given below it.

Number of Units Manufactured and Sold by a Company Over the years
(Units in lakhs)



146. What is the difference between the number of unsold units of the company in the year 2006 and the number of unsold units of the company in the year 2009?
(1) 3 lakhs (2) 3.5 lakhs
(3) 5 lakhs (4) 4 lakhs
(5) None of these

147. What is the approximate average number of units manufactured by the company over the years?
(1) 28 lakhs (2) 33 lakhs
(3) 30 lakhs (4) 35 lakhs

148. What is the respective ratio of the number of units manufactured by the economy in the year 2007 and number of units sold by the company in the year 2008?
(1) 5 : 8 (2) 3 : 2
(3) 2 : 7 (4) 7 : 2
(5) None of these

149. The number of units sold in the year 2009 are approximately what percent of the number of units sold by the company in the year 2004?
(1) 78 (2) 80

(3) 73 (4) 70
(5) 68

150. What is the total number of unsold units of the company in the year 2005 and the year 2008 together?
(1) 12 lakhs (2) 15 lakhs
(3) 7 lakhs (4) 7.5 lakhs
(5) None of these

151. Vinod makes a profit of Rs. 110/- if he sells a certain number of pencils he has at the price of Rs. 2.5 per pencil and incurs a loss of Rs. 55/- in he sells number of pencils for Rs. 1.75 per pencil. How many pencils does Vinod have?
(1) 220 (2) 240
(3) 200
(4) Cannot be determined
(5) None of these

152. Which of the following represents ab = 64 ?
(1) 8 : a = 8 : b
(2) a : 16 = b : 4
(3) a : 8 = b : 8
(4) 32 : a = b : 2
(5) None of these

153. A bus covered a certain distance from village A to village B at the speed of 60 kms.hr. However on its return journey it got stuck in traffic and covered the same distance at the speed of 40 kms/hr. and took 2 hours more to reach its destination. What is the distance covered between village A and B?
(1) 240 Kms. (2) 260 kms.
(3) 200 kms.
(4) Cannot be determined
(5) None of these

154. The ratio of the number of students studying in schools A, B and C is 5 : 8 : 4 respectively. If the number of students studying in each of the schools is increased by 20%, 25% and 30% respectively, what will be the new respective ratio of the students in schools A, B and C?
(1) 13 : 25 : 15
(2) 20 : 25 : 13
(3) 15 : 25 : 13
(4) Cannot be determined
(5) None of these

155. A train speeds past a pole in 20 seconds and speeds past a platform 100 meters in length in 30 seconds. What is the length of the train?
(1) 100 meters (2) 150 meters
(3) 180 meters (4) 200 meters
(5) None of these

156-160. Study the following table carefully and answer the questions given below it.

Number of students Applied, Appeared and Qualified for various courses

Courses	Applied	Appeared	Qualified
P	3500	3200	2050
Q	4000	3850	3700
R	5200	4900	4850
S	4500	4000	3500
T	5000	4800	4740

156. In which course is the difference between the number of students who applied and the number of students who appeared the lowest?

(1) P (2) Q (3) R
(4) S (5) T

157. The number of students who qualified for course R is approximately what percent of the number of students who applied for the course?
(1) 81 (2) 89 (3) 93
(4) 99 (5) 85

158. What is the average number of students who qualified from all the courses together?
(1) 3678 (2) 3756
(3) 3687 (4) 3768
(5) None of these

159. What is the respective ratio of the number of students who applied but did not appear for courses S to those students who applied but did not appear for course T?
(1) 2 : 5 (2) 5 : 7
(3) 7 : 5 (4) 5 : 3
(5) None of these

160. What is the difference between the number of students who appeared but did not quality from course P and the number of students who appeared but did not qualify from course Q?
(1) 1000 (2) 950
(3) 1050 (4) 1150
(5) None of these

161-165. Study the following information carefully and answer the question given below it.

There are 5200 employees in an organization working in various departments viz. HR, Marketing, Finance, IT and Legal. The employees in the various departments are either graduates or Postgraduates. 25% of the total number of employees are from HR departments. 12% of the total number of employees are from Marketing departments. 45% of the total number of employees in the HR departments are Graduates. 50% of the total number of employees in the Marketing department are postgraduates. 18% of the total number of employees in the organisation are from Finance department out of which 75% are postgraduates. 546 employees from IT department are Postgraduates. 15% of the total number of employees in the organization are in Legal department. 60% of the total number of employees in Legal departments are graduates.

161. What is the total number of employees in IT departments?
(1) 1014 (2) 1300
(3) 1560 (4) 1650
(5) None of these

162. What is the total number of Post Graduates in the organization from all the departments together?
(1) 2597 (2) 2500
(3) 2867 (4) 2659
(5) None of these

163. The number of graduates in Finance departments is what percent of the total number of employees in the organization?
(1) 4.5 (2) 5
(3) 5.5 (4) 3
(5) None of these

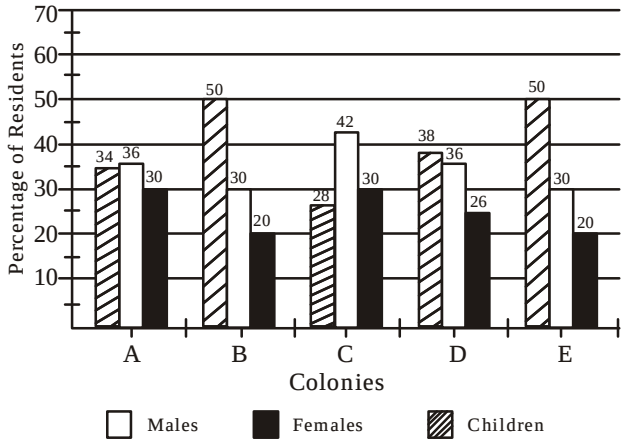
164. What is the respective ratio of the number of Postgraduates in Legal

department to the number of Postgraduates in HR departments?
(1) 8 : 11 (2) 3 : 5
(3) 24 : 55 (4) 12 : 25
(5) None of these

165. What is the total number of employees in HR, Finance and Legal departments together?
(1) 3484 (2) 2860
(3) 3640 (4) 3016
(5) None of these

166-170. Study the following Graph and Table carefully and answer the questions given below it.

Percentage of Males, Females and Children living in various colonies



Total Number of Residence in Various Colonies	
Colonies	Residents
A	1250
B	2050
C	1800
D	1150
E	1620

166. What is the total number of females in colonies A, B and C together?
(1) 1785 (2) 1821
(3) 1479 (4) 1692
(5) None of these

167. The number of children in colony A are approximately what percent of the number of children in colony E?
(1) 121 (2) 116
(3) 75 (4) 101
(5) 98

168. What is the respective ratio of the number of males in colony B to the number of females in the same colony?
(1) 3 : 5 (2) 7 : 5
(3) 8 : 7 (4) 5 : 7
(5) None of these

169. What is the average number of residents from al the colonies together?
(1) 1654 (2) 1600
(3) 1580 (4) 1574
(5) None of these

170. What is the difference between the

colony?

(1) 138 (2) 126
(3) 136 (4) 135
(5) None of these

171-175. What approximate value should come in place of the question mark (?) in the following questions?

171. 15.5% of 323 – 20.8% of 198 = ?
(1) 12 (2) 5
(3) 15 (4) 3
(5) 9

172. 3058 + 27 × 3 = ?
(1) 360 (2) 348
(5) 321

173. $(3.58)^2 \times (1.85)^2$ = ?
(1) 25 (2) 40
(3) 30 (4) 35
(5) 50

174. $\sqrt{5138} + \sqrt{36}$ = ?
(1) 21 (2) 6
(3) 12 (4) 18
(5) 26

175. 37.5 × 34.9 + 2.75 = ?
(1) 476 (2) 491
(3) 464 (4) 453
(5) 486