

Test II Quantitative Aptitude

Directions (Q. Nos. 76 to 80) What will come in place of question mark (?) in the following questions?

76. $\sqrt{8^2 \times 7 \times (5)^2} - 175 = ?$

- (1) 105 (2) 95
(3) 115 (4) 125
(5) None of these

77. $(0.125)^3 + (0.25)^2 \times (0.5)^2 = (0.5)^{7-3}$

- (1) 12 (2) 18
(3) 14 (4) 10
(5) None of these

78. $64.5\% \text{ of } 800 + 36.4\% \text{ of } 1500 = (?)^2 + 38$

- (1) 32 (2) 38 (3) 42 (4) 48
(5) 34

79. $567 - 4824 \div 134 = ? \times 9$

- (1) 33 (2) 59
(3) 37 (4) 57
(5) None of these

80. $4\frac{5}{6} - 5\frac{5}{9} = ? - 2\frac{1}{3} + \frac{11}{18}$

- (1) $\frac{3}{4}$ (2) $2\frac{1}{18}$
(3) $1\frac{7}{9}$ (4) $1\frac{11}{18}$
(5) None of these

Directions (Q. Nos. 81 to 85) What approximate value will come in place of question mark (?) in the following question? (You are not expected to calculate the exact value.)

81. $(41.33)^2 + (7.96)^2 - (22.02)^2 = ?$

- (1) 1280 (2) 1440
(3) 1580 (4) 1540
(5) 1380

82. $41\% \text{ of } 601 - 250.17 = ? - 77\% \text{ of } 910$

- (1) 800 (2) 500
(3) 700 (4) 650
(5) 550

83. $52001 + 61 \times 29 = ? \times 41$

- (1) 700 (2) 600
(3) 500 (4) 550
(5) 680

84. $\frac{701}{52} + \frac{11}{699} \times \frac{112}{107} = ?$

- (1) 700 (2) 850
(3) 900 (4) 800
(5) 650

85. $\sqrt{5378} \times \sqrt{3330} + \sqrt{360} = ?$

- (1) 200 (2) 250
(3) 300 (4) 225
(5) 325

Directions (Q. Nos. 86 to 90) What will come in place of question mark (?) in the following number series?

86. 117 389 525 593 627 (?)

- (1) 654 (2) 640
(3) 634 (4) 630
(5) None of these

87. 7 11 23 51 103 (?)

- (1) 186 (2) 188
(3) 185 (4) 187
(5) None of these

88. 18 27 49 84 132 (?)

- (1) 190 (2) 183
(3) 180 (4) 193
(5) None of these

89. 33 43 65 99 145 (?)

- (1) 201 (2) 203
(3) 205 (4) 211
(5) None of these

90. 655 439 314 250 223 (?)

- (1) 205 (2) 210
(3) 195 (4) 190
(5) None of these

Directions (Q. Nos. 91 to 95) *In the following questions, two equations I and II are given. You have to solve both the equation and*

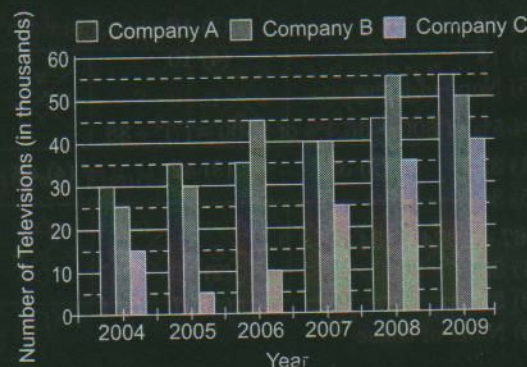
- Give answer (1) if $x > y$
 Give answer (2) if $x \geq y$
 Give answer (3) if $x < y$
 Give answer (4) if $x \leq y$
 Give answer (5) if $x = y$ or the relationship cannot be established

91. I. $\sqrt{289x} + \sqrt{25} = 0$
 II. $\sqrt{676y} + 10 = 0$
92. I. $8x^2 - 78x + 169 = 0$
 II. $20y^2 - 117y + 169 = 0$
93. I. $\frac{15}{\sqrt{x}} + \frac{9}{\sqrt{x}} = 11\sqrt{x}$
 II. $\frac{\sqrt{y}}{4} + \frac{5\sqrt{y}}{12} = \frac{1}{\sqrt{y}}$
94. I. $\frac{8}{\sqrt{x}} + \frac{6}{\sqrt{x}} = \sqrt{x}$
 II. $y^3 - \frac{(14)^2}{\sqrt{y}} = 0$
95. I. $x^2 - 208 = 233$
 II. $y^2 - 47 + 371 = 0$
96. Train-A crosses a pole in 25 seconds and another Train-B crosses a pole in 1 min and 15 sec. Length of Train-A is half length of Train-B. What is the respective ratio between the speeds of Train-A and Train-B?
 (1) 3:2 (2) 3:4
 (3) 4:3 (4) Cannot be determined
 (5) None of these
97. Veena's monthly income is equal to the cost of 34 kg of nuts. Cost of 10 kg of nuts is equal to the cost of 20 kg of apples. If cost of 12 kg of apples is ₹ 1500. What is Veena's annual salary? (At some places annual income and in some place monthly income is given)
 (1) ₹ 120000 (2) ₹ 102000
 (3) ₹ 220000 (4) Cannot be determined
 (5) None of these
98. Rohit has some 50 paise coins, some ₹ 2 coins, some ₹ 1 coins and some ₹ 5 coins. The value of all the coins is ₹ 50. Number of ₹ 2 coins is 5 more than the ₹ 5 coins. 50 paise coins are double in number than ₹ 1 coin. Value of 50 paise coins and ₹ 1 coins is ₹ 26. How many ₹ 2 coins does he have?
 (1) 4 (2) 2
 (3) 7 (4) Cannot be determined
 (5) None of these
99. Puneet scored 175 marks in a test and failed by 35 marks. If the passing percentage of the test is 35 per cent, what are the maximum marks of the test?
 (1) 650 (2) 700
 (3) 750 (4) 600
 (5) None of these

100. The length of a rectangle is twice the diameter of a circle. The circumference of the circle is equal to the area of a square of side 22 cm. What is the breadth of the rectangle if its perimeter is 668 cm?
 (1) 24 cm (2) 26 cm
 (3) 52 cm (4) Cannot be determined
 (5) None of these
101. 4 girls can do a piece of work in 8 days, same work 3 boys can do in 9 days, 7 men in 2 days and 5 women in 4 days. Who among them have the minimum capacity of work?
 (1) Boy (2) Girl
 (3) Man (4) Woman
 (5) Both boy and man
102. Sum of eight consecutive numbers of Set A is 376. What is the sum of five consecutive numbers of another set if its minimum number is 15 ahead of average of Set A?
 (1) 296 (2) 320 (3) 324 (4) 284
 (5) None of these
103. The ratio between the adjacent angles of a parallelogram are 2 : 3. The smallest angle of a quadrilateral is equal to the half of the smallest angle of a parallelogram. The highest angle of a quadrilateral is 4 times greater than its smallest angle. What is the sum of the highest angle of a quadrilateral and the smallest angles of a parallelogram?
 (1) 252° (2) 226° (3) 144° (4) 180°
 (5) None of these
104. Raju buys 550 ml milk everyday. The cost price of 1 litre milk is ₹ 44, then which amount he would paid in 45 days?
 (1) ₹ 1098 (2) ₹ 1079 (3) ₹ 1099 (4) ₹ 1088
 (5) None of these
105. In a college, 200 students are there in which 36% are girls. Each boy's monthly fees is ₹ 480 and each girl paid 25% less monthly fees in comparison to boy. What is the total monthly fees amount paid by boys and girls?
 (1) ₹ 873400 (2) ₹ 867300
 (3) ₹ 876300 (4) ₹ 873600
 (5) None of these

Directions (Q. Nos. 106 to 110) *Study the following graphs and answer accordingly.*

Number of manufactured televisions by three different companies in six different years (in Thousands)



106. 25% televisions are black and white which are manufactured by Company A in all years, then how many colours televisions are manufactured by Company A in all years?
 (1) 140000 (2) 14000 (3) 180000 (4) 18000
 (5) 150000
107. In 2008, the cost price of one television is ₹ 1200, then what is the total expenditure of Company C in this year of his total manufactured televisions?
 (1) ₹ 40 crore (2) ₹ 52 crore (3) ₹ 5.2 crore (4) ₹ 4 crore
 (5) ₹ 42 crore
108. What is the percentage increase of manufactured televisions by Company C in 2008 compared to the previous years?
 (1) 40 (2) 45
 (3) 30 (4) 35
 (5) 25
109. What is the approximate average number manufactured televisions by Company B in all years?
 (1) 30677 (2) 30566 (3) 40566 (4) 40834
 (5) 43055
110. What is the respective ratio between the number of manufactured television by Company B in 2006 and the number of manufactured televisions by Company A in 2005?
 (1) 5 : 4 (2) 9 : 5 (3) 4 : 3 (4) 9 : 7
 (5) None of these

Directions (Q. Nos. 111 to 115) Study the table carefully to answer the questions that follow.

**Number of trees planted (in hundreds)
 by five different NGOs in six different years in two different states**

NGO	A		B		C		D		E	
	State-A	State-B	State-A	State-B	State-A	State-B	State-A	State-B	State-A	State-B
2005	14.2	8.5	14.2	4.4	4.5	4.4	4.5	2.1	9.4	3.5
2006	21.6	5.4	7.9	7.2	6.9	4.4	5.4	4.3	7.2	4.7
2007	13.5	8.8	7.7	4.8	5.4	3.8	6.3	6.3	7.4	8.2
2008	12.4	9.6	10.4	6.4	7.2	8.2	9.6	4.4	5.6	4.2
2009	10.8	12.4	12.6	6.2	8.6	6.4	8.4	5.2	6.9	3.8
2010	12.2	14.2	7.5	4.2	11.3	9.3	6.3	5.4	12.8	6.4

111. What was the respective ratio between the number of trees planted by NGO-A in the year 2006 in state-A and the number of trees planted by NGO-E in the year 2008 in state-B?
 (1) 36 : 11 (2) 36 : 7
 (3) 11 : 7 (4) 14 : 9
 (5) None of these
112. What was the average number of trees planted by NGO-B in the state-A over all the years together?
 (1) 1005 (2) 1050
 (3) 1015 (4) 1205
 (5) None of these
113. What was the approximate percentage decrease in the number of trees planted by NGO-C in state-B in the year 2009 as compared to the previous year?
 (1) 28 (2) 22 (3) 26 (4) 16
 (5) 20
114. Which NGO planted the second lowest number of trees in both the states together in the year 2009?
 (1) A (2) B (3) C (4) D
 (5) E
115. Number of trees planted by NGO-D in the state-B in the year 2007 was approximately what percentage of the number of trees planted by NGO-A in the state-A in the year 2009?
 (1) 46 (2) 52
 (3) 70 (4) 58
 (5) 64

Directions (Q. Nos. 116 to 120) Study the following table carefully to answer the questions that follow.

Number of flights cancelled by five different airlines in six different years

Airline Year	P	Q	R	S	T
2005	240	450	305	365	640
2006	420	600	470	446	258
2007	600	680	546	430	610
2008	160	208	708	550	586
2009	140	640	656	250	654
2010	290	363	880	195	483

116. What was the difference between the highest number of flights cancelled by airline-Q and the lowest number of flights cancelled by airline-T out of all the six years?
 (1) 446 (2) 456 (3) 432 (4) 442
 (5) None of these
117. What was the approximate percentage increase in number of flights cancelled by airline-S in the year 2008 as compared to previous year?
 (1) 127 (2) 27 (3) 150 (4) 45
 (5) 117
118. What was the average number of flights cancelled by the airlines P, R, S and T in the year 2008?
 (1) 551.5 (2) 501
 (3) 405 (4) 442.4
 (5) None of these

119. In 2010, 40% flights are cancelled by airline-R due to bad weather and technical fault. How many flights are cancelled by airline-R due to technical fault?
 (1) 528 (2) 568 (3) 468 (4) 548
 (5) None of these
120. What is the approximate percentage of cancelled flights by airline's P and R in 2007 compared to cancelled flights by airline-S in 2005 ?
 (1) 356 (2) 280
 (3) 265 (4) 340
 (5) 314

Directions (Q. Nos. 121 to 125) *Read the following information carefully and answer the questions given below it.*

Five sports—Hockey, Cricket, Tennis, Badminton and Baseball are included in sports competition. The total number of players in this sports competition is 800. The ratio between the men and women players is 1 : 3. 25% players in Cricket of total players.

110 players plays Badminton, 10% players in Tennis of total players. Hockey players are two times higher than Badminton players, remaining players play Baseball. 30% Cricket players are women. Half women cricketers are equal to Badminton players. 10% players of Hockey players are equal to women Tennis players. Hockey and Baseball have equal women players.

121. What is the ratio between the women Hockey players and men Badminton players ?
 (1) 20 : 13 (2) 11 : 20 (3) 13 : 20 (4) 11 : 23
 (5) None of these
122. What is the total number of men players in Hockey, Cricket and Baseball ?
 (1) 464 (2) 454 (3) 462 (4) 432
 (5) None of these
123. What is the percentage of women Baseball players comparison to male Hockey players ?
 (1) 25 (2) 34 (3) 24 (4) 15
 (5) None of these
124. What is the difference between the male Baseball players and women Tennis players ?
 (1) 58 (2) 76 (3) 56 (4) 68
 (5) None of these
125. In which sports, women are maximum and male are minimum ?
 (1) Cricket and Badminton (2) Cricket and Hockey
 (3) Baseball and Cricket (4) Cricket and Tennis
 (5) Tennis and Hockey

Test III General Awareness

126. The eleventh 'five year plan' of India is for the five years ranging from
 (1) 2009-2014 (2) 2008-2013
 (3) 2007-2012 (4) 2006-2011
 (5) None of these

127. DSCR indicates the ability of a company to
 (1) meet its current liabilities
 (2) service its shareholders
 (3) meet its long term debt obligations
 (4) raise further capital
 (5) None of the above
128. An IPO is
 (1) an initial price offered by a private company to its shareholders
 (2) an offer by an unlisted company for sale of its shares for the first time to the public
 (3) used to increase the share capital of an unlisted company
 (4) a book building process
 (5) None of the above
129. A decreasing current ratio indicates
 (1) a stable liquidity
 (2) an increasing liquidity
 (3) a strained liquidity
 (4) satisfactory current solvency
 (5) None of the above
130. Private equity investors, invest in a company based mainly on the
 (1) age of the company
 (2) location of the company
 (3) activity undertaken by the company
 (4) creditability and the valuation of the company
 (5) existing profitability of the company
131. The 'synagogue' is generally
 (1) an epic (2) a religion
 (3) Jewish house of prayer (4) the Parsi temple
 (5) a palace
132. Deuce is a term used in
 A. polo B. lawn tennis
 C. badminton D. boxing
 E. volleyball
 (1) A, B, C (2) B, C, D
 (3) C, D, A (4) A, B, E
 (5) B, C, E
133. ISI is the intelligence agency of
 (1) United Kingdom
 (2) United States of America
 (3) Israel
 (4) Pakistan
 (5) India
134. Air traffic controller's job involves
 A. control of air traffic in and within vicinity of airport.
 B. control of movement of air traffic between altitude, sectors and control centres.
 C. following established procedures and policies for air traffic control.
 D. control of commercial airline flights according to government regulations.
 E. to authorise and regulate commercial airline flights.
 (1) A, B (2) B, C
 (3) A, B, C, D (4) A, B, C, D, E
 (5) C, D, E

135. Animal assisted therapy is employed in
(1) operations (2) ICU
(3) old age homes (4) training animals
(5) natural healing
136. In broad gauge, the distance between the rails is
(1) 1.00 m (2) 3 m (3) 1.67 m (4) 2.67 m
(5) 0.76 m
137. Who is Indra Nooyi ?
(1) CEO, Coca Cola
(2) CFO, PepsiCo
(3) Managing Director, Nano Division
(4) India's permanent representative to UNO
(5) None of the above
138. ET NOW and CNBC TV 18 channels essentially broadcast
(1) English news
(2) classic English movies
(3) political events and news
(4) business and economic news
(5) all important national and international news in English
139. Amongst the following sportsmen/women, who has won the first gold medal at Guangzhou Asian Games ?
(1) Yuan Xiachao (2) Wang Minglun
(3) Zhu Oianward (4) Takeshi Matsuda
(5) Wu Jingbiao
140. With which one of the following fields was Satyajit Ray associated ?
(1) Films (2) Sports
(3) Social work (4) Drama
(5) Short stories
141. Daniel Vettori is captain of which one of the following teams ?
(1) New Zealand's Cricket Team
(2) South Africa's Cricket team
(3) New Zealand's Basketball Team
(4) West Indies' Cricket Team
(5) Australia's Cricket Team
142. Who amongst the following carried Indian Tricolour at Guangzhou Asian Games ?
(1) Sania Mirza (2) Saina Nehwal
(3) Gagan Narang (4) Suranjay Singh
(5) Randhir Singh
143. Financial ratio analysis of a company helps in understanding the
A. long term debt raising capacity
B. short term solvency
C. reasons for fluctuations in its stock prices
D. net worth of the company
E. profitability
(1) A, B, C, D (2) B, C, D
(3) C, D, E (4) C, A, B, D
(5) A, B, D, E
144. Human breath is visible in winter but not in summer because
(1) the difference in outside pressure gives visibility to breath
(2) breath contains certain impurities and visible matters
(3) water vapour in breath condenses in cold air giving visible
(4) breath has heat in it which evaporates in cold air, making it visibility
(5) None of the above
145. Which of the following is/are not the names of Seven North-Eastern states ?
A. Jorhat B. Manipur C. Meghalaya D. Agartala E. Dimapur
(1) A, B, C (2) B, C, D (3) C, D, A (4) A, D, B
(5) A, D, E
146. According to a recent newspaper survey, which one of the following is the most preferred language for leisure reading among the Indian Youth ?
(1) Hindi (2) Marathi (3) Bengali (4) Telugu
(5) English
147. Who is Dr. C. Rangarajan?
(1) Chairman, PMEAC
(2) Member, Planning Commission
(3) Chief Economist, IBA
(4) RBI, Governor
(5) Member, Minority Commission
148. Which of the following is an oilseed?
(1) Garlic (2) Clove
(3) Cardamom (4) Cumin seed
(5) Mustard
149. The RBI reviews its credit and monetary policy at regular intervals and also in between. What is the purpose of the same?
A. To ensure that inflation does not cross the limit.
B. To ensure that banks have enough liquidity.
C. To ensure that cost of the fund does not reach a very high level.
(1) Only A (2) Only B
(3) All A, B and C (4) Only B and C
(5) None of these
150. The name of the white revolution is associated with
(1) J.V. Narlikar (2) J. C. Bose
(3) Kurien Verghese (4) M. S. Swaminathan
(5) C. Rangarajan
151. The cabinet committee recently approved the 'IGMSY' a scheme for the welfare of the people of India. Who amongst the following will get the benefit of the scheme?
(1) Mothers and pregnant women
(2) Children upto 12 years of age
(3) Youth
(4) Old and senior citizens
(5) All of the above
152. The Govt. of India provides direct financial support to which of the following schemes?
(1) Jeevan Bharati Scheme
(2) ULIP
(3) Sampoorna Grameen Rozgar Yojana
(4) Packing Credit Guarantee Scheme
(5) All of the above

153. Who amongst the following is a famous Urdu author/poet who received Jnanpith Award recently?
(1) Akhlaq Khan Shahryar (2) ONV Kurup
(3) Khushwant Singh (4) Krishna Sobti
(5) None of these
154. Who amongst the following is the author of the Book "A Bend in the River"?
(1) V. S. Naipaul (2) Arun Shourie
(3) Octavia Paz (4) Daniel Defoe
(5) Walter Scott
155. Which of the following is called 'the pink city of India'?
(1) Kolkata (2) Lucknow
(3) Kota (4) Hyderabad
(5) Jaipur
156. Which of the following states got a new Chief Minister without new assembly elections?
(1) Goa (2) Madhya Pradesh
(3) Jharkhand (4) Gujarat
(5) Delhi
157. A two days National level conference/event was organised in Chandigarh in September 2010. Which was the conference/event ?
(1) Miss India 2010
(2) Asian women hockey finals 2010
(3) Conference of the finance ministers of SAARC
(4) National rabi conference
(5) None of the above
158. Which of the following Summits took place in Hanoi in October 2010 ?
(1) ASEAN Summit (2) SAARC Summit
(3) G-20 Summit (4) G-8 Summit
(5) None of these
159. The Reserve Bank does not have an office in
(1) Kanpur (2) Jaipur
(3) Lucknow (4) Bhopal
(5) Gulbarga
160. A Badminton player is supposed to know the meaning of the term
(1) Bouncer (2) Love
(3) LBW (4) Punch
(5) Booster
161. Who amongst the following is the recipient of the Rajiv Gandhi Khel Ratna Award 2010 ?
(1) Ishant Sharma (2) Hariom Singh
(3) M. S. Dhoni (4) Sushil Kumar
(5) Saina Nehwal
162. India extended a credit of US \$250 million to which of the following countries, which will be used for infra-structural development there?
(1) China (2) Pakistan
(3) Myanmar (4) Nepal
(5) Sudan
163. Which one of the following makes a case for intensive, modern farming ?
(1) Higher output using organic method
(2) Remunerative price
(3) Cropping pattern
(4) Land acquisition for non-agricultural needs
(5) None of the above
164. In which one of the following States multi - thousand - foodgrain scam has recently been noticed by the High Court ?
(1) MP (2) Orissa
(3) Bihar (4) Jharkhand
(5) UP
165. Which one of the following is the objective of Corporate Social Responsibility (CSR) issued by the government ?
(1) To ensure that companies take steps for rehabilitation of project affected people
(2) To ensure that companies use some of their profits for educating the project affected people
(3) To ensure that companies provide health care to project affected people
(4) To ensure that companies take preventive measures to avoid environmental damage
(5) None of the above
166. A hockey player is supposed to know the meaning of the term
(1) Dead ball (2) Bouncer
(3) LBW (4) Penalty corner
(5) Frozen ball
167. Which one of the following have provided bailout package to Ireland to deal with its debt crisis?
(1) EU only (2) IMF only
(3) World Bank only (4) Only (1) and (2)
(5) All (1), (2) and (3)
168. Which one of the following Indian company is the only company from India to be included in the Top Ten 2010 Value Creators Global Ranking released by global management consulting firm BCG?
(1) RIL (2) Tata Steel
(3) Bharti Airtel (4) JSPL
(5) Bajaj Auto
169. Which one of the following has launched guidebook on standards for exporters?
(1) RBI (2) SEBI (3) IBA (4) UNIDO
(5) UNESCO
170. BIPA with Sudan comes into effect was the news in various newspapers recently. It is an agreement for
(1) investment in a country
(2) peaceful use of atomic power
(3) allowing students to visit each other's nation
(4) allowing people to come for medical treatment
(5) to form an alliance with each other in case of a war
171. In which one of the following sports Sandhya Rani Devi bagged Silver in Asiad 2010 Games?
(1) Shooting (2) Squash
(3) Taekwondo (4) Ten-pin bowling
(5) Wushu
172. Which of the following terms is normally not seen in the field of international relations?
(1) Exchange rate (2) Free trade
(3) MFN (4) Alluvial soil
(5) OECD

173. According to mid-term review of Indian economy, which one of the following segments will be the major contributor to GDP growth?

- (1) Agriculture
- (2) Industry
- (3) Services
- (4) Mining
- (5) None of these

174. Which of the following films directed by Aamir Khan was sent for Oscar's Award nominations from India?

- (1) Rang De Basanti
- (2) Peepli Live
- (3) Tare Zamin Par
- (4) Lagaan
- (5) None of these

175. In which one of the following states, population growth rate is lower than national average?

- (1) Delhi
- (2) Gujarat
- (3) Chhattisgarh
- (4) Himachal Pradesh
- (5) Orissa