Test II Quantitative Aptitude

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

76. $126 \div 14 \times (9)^2 - 53 = (?)^2$
    (1) 26
    (2) $\sqrt{26}$
    (3) -729
    (4) 27
    (5) $\sqrt{27}$

77. $\sqrt{529} \div 46 \times 7.4 + (8)^3 - 251 = ?$
    (1) 265.1
    (2) 246.1
    (3) 256.4
    (4) 285.4
    (5) None of these

78. $(\sqrt{5} - 3)^2 = ? - \sqrt{80} - \sqrt{20}$
    (1) $14 - 2\sqrt{5}$
    (2) 14
    (3) $4 - 5\sqrt{5}$
    (4) 15
    (5) None of these

79. $(16 \times 4)^3 \div (4)^5 \times (2 \times 8)^2 = (4)^?$
    (1) 5
    (2) 6
    (3) 3
    (4) 8
    (5) None of these

80. $534.58 - 386.89 + 221.45 - 195.42 = ?$
    (1) 162.65
    (2) 109.65
    (3) 173.72
    (4) 164.32
    (5) None of these

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

81. 20.06% of 599 + 10.01% of 901 = ?
    (1) 150
    (2) 210
    (3) 250
    (4) 280
    (5) 300

82. $\dfrac{249}{15} \times \dfrac{299}{19} \div \dfrac{14}{99} = ?$
    (1) 1850
    (2) 1700
    (3) 1750
    (4) 1900
    (5) 2000

83. $(11.99)^2 - (8.01)^2 + (5.99)^3 = ?$
    (1) 250
    (2) 450
    (3) 300
    (4) 400
    (5) 350

84. $1201 \div 14.99 \times 19.91 + 400.01 = ?$
    (1) 1700
    (2) 1850
    (3) 1800
    (4) 1950
    (5) 2000

85. $251.01 - 429.99 + 549.99 = ?$
    (1) 370
    (2) 420
    (3) 340
    (4) 410
    (5) 320

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

86. 9 15 27 51 99 ?
    (1) 165
    (2) 195
    (3) 180
    (4) 190
    (5) None of these

87. 13 21 36 58 87 ?
    (1) 122
    (2) 128
    (3) 133
    (4) 123
    (5) None of these

88. 7 9 19 45 95 ?
    (1) 150
    (2) 160
    (3) 145
    (4) 177
    (5) None of these

89. 14 15 23 32 96 ?
    (1) 121
    (2) 124
    (3) 152
    (4) 111
    (5) None of these

90. 20 24 36 56 84 ?
    (1) 116
    (2) 124
    (3) 120
    (4) 128
    (5) None of these

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

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

91. I. $\sqrt{x+18} = \sqrt{144} - \sqrt{49}$
II. $y^2 + 409 = 473$

92. I. $x^2 - 7x + 12 = 0$
II. $y^2 - 9y + 20 = 0$

93. I. $y^2 - x^2 = 32$
II. $y - x = 2$

94. I. $\sqrt{x} - \dfrac{\sqrt{5}}{\sqrt{x}} = 0$
II. $y^3 - 5^{(3/2)} = 0$

95. I. $3x + 5y = 28$
II. $8x - 3y = 42$

Directions (Q. Nos. 96 to 100) *Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and*

Give answer (1) if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question

Give answer (2) if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question

Give answer (3) if the data in Statement I alone or in Statement II alone are sufficient to answer the question

Give answer (4) if the data in both the Statements I and II are not sufficient to answer the question

Give answer (5) if the data in both the Statements I and II together are necessary to answer the question

96. What is the area of the circle?
I. The breadth of a rectangle is three-fourth the radius of the circle.
II. The radius of the circle is equal to the side of a square of area 144 sq.cm.

97. What is the cost of three tables and two chairs?
I. Cost of four chairs is twice cost of three tables.
II. Cost of two tables is equal to cost of one cot, *ie*, ₹ 500.

98. What is Jyoti's annual income?
I. Jyoti's monthly income is ₹ 8500 more than Amit's monthly income.
II. Rohit's monthly income is ₹ 3.5 thousand which is half Amit's monthly income.

99. What will be Suraj's age after eight years?
I. The ratio between Kamya's and Suraj's present age is 4 : 7 respectively.
II. Kamya is 15 yr younger than Suraj.

100. What is the minimum passing percentage in a test?
I. Raju scored 162 marks in a test and failed by 104 marks.
II. The maximum marks of the test are 538 more marks obtained by Raju.

Directions (Q. Nos. 101 to 105) *Study the following information carefully and answer the questions that follow.*

A company produces four different products *viz.*, Mobile Phones, Televisions, Refrigerators and Computers. Each of the products has two categories, *viz.*, Category-A and Category B. The total number of all the products is 900. 25 per cent of the total number of products is Computers and one-third of the total number of products is Televisions. 32 per cent of the total products are Refrigerators. 50 per cent, each of the total number of Televisions as well as the total number of Refrigerators is of Category-A. 40 per cent of the total number of Computers is of Category-B. One-third of the total number of Mobile Phones is of Category-B.

101. What is the total number of Televisions of Category-A, Refrigerators of Category-B and Mobile Phones of Category-B together?
(1) 225   (2) 323   (3) 325   (4) 223
(5) None of these

102. Number of Computers of Category-B is approximately what per cent of the total number of Refrigerators?
(1) 29   (2) 31   (3) 37   (4) 43
(5) 47

103. What is the average number of products of Category-A together?
(1) 110.25   (2) 115.5   (3) 121.75   (4) 102
(5) 106

104. What is the respective ratio between the number of Televisions of Category-B and the number of Computers of Category-A?
(1) 3 : 5   (2) 5 : 3   (3) 10 : 9   (4) 5 : 6
(5) None of these

105. What is the difference between the number of Mobile Phones of Category-B and the total number of Computers?
(1) 146   (2) 176
(3) 167   (4) 156
(5) None of these

106. A car covers a distance of 540 km in 9 h. Speed of a train is double the speed of the car. Two-third the speed of the train is equal to the speed of a bike. How much distance will the bike cover in 5 h?
(1) 450 km   (2) 360 km
(3) 400 km   (4) 500 km
(5) None of these

107. The ratio between the angles of a quadrilateral is 3 : 4 : 6 : 5. Two-third the largest angle of the quadrilateral is equal to the smaller angle of a parallelogram. What is the value of adjacent angle of the parallelogram?
(1) 120°
(2) 110°
(3) 100°
(4) 130°
(5) None of these

108. What profit/loss per cent did Ravi earn if he purchased an item of ₹ 5600 and sold it at three-fourth of its cost price?
(1) Loss of 20 per cent
(2) Gain of 25 per cent
(3) Neither gain nor loss
(4) Loss of 15 per cent
(5) None of these

109. The simple interest accrued on a sum of certain principal is ₹ 1200 in 4 yr at the rate of 8 p.c.p.a. What would be the simple interest accrued on thrice of that principal at the rate of 6 p.c.p.a. in 3 yr?
(1) ₹ 2025
(2) ₹ 3025
(3) ₹ 2250
(4) ₹ 2150
(5) None of these

110. The area of a square is 196 sq.cm. whose side is half the radius of a circle. The circumference of the circle is equal to breadth of a rectangle, if perimeter of the rectangle is 712 cm. What is the length of the rectangle?
(1) 196 cm
(2) 186 cm
(3) 180 cm
(4) 190 cm
(5) None of these

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

Number of Soldiers (in thousands) retired during six different years

Years	Academies				
	Air	Army	Navy	Coast Guard	BSF
2004	2.5	5.2	1.6	0.6	4.2
2005	3.7	6.1	1.9	1.8	5.1
2006	2.9	6.9	2.4	1.2	3.7
2007	5.4	7.2	2.8	2.7	5.2
2008	4.2	6.4	1.5	5.4	4.4
2009	5.6	8.4	3.5	3.6	6.3

111. What is the difference between the total number of Soldiers retired from Air Force in the year 2006, 2007 and 2008 and the number of Soldiers retired from Army in the year 2009?
(1) 4700
(2) 4100
(3) 3600
(4) 36000
(5) None of these

112. Total number of Soldiers retired from BSF in the years 2005 and 2006 together was approximately what per cent of the total number of Soldiers retired from Navy over all the years together?
(1) 70
(2) 54
(3) 64
(4) 75
(5) 80

113. What was the average number of Soldiers retired together in the year 2007?
(1) 4660
(2) 46600
(3) 23300
(4) 2330
(5) None of these

114. In which force the number of the soldiers retired continuously increased from the year 2004 to 2009?
(1) Air Force
(2) Army and BSF only
(3) Coast Guard
(4) Navy only
(5) None of these

115. What was the respective ratio between the number of Soldiers retired from Army in the year 2004 and number of soldiers retired from Coast Guard in the year 2006?
(1) 13 : 4
(2) 13 : 6
(3) 3 : 26
(4) 26 : 3
(5) None of these

Directions (Q. Nos. 116 to 120) *Study the following graph and answer the questions that follow.*

Number of applicants (in lakhs) who applied for two different banks during past size years

116. What was the approximate average number of candidates who applied for Bank A over all the years together?
(1) 4.1 lakh
(2) 5 lakh
(3) 3.1 lakh
(4) 4.5 lakh
(5) 3.8 lakh

117. Total number of candidates who applied for Bank A over all the years together was approximately what percentage of the total number of candidates who applied for Bank B over all the years together?
(1) 79
(2) 66
(3) 70
(4) 75
(5) 60

118. In which years the total number of candidates who applied for both the banks together is exactly equal?
(1) 2004, 2005 and 2008
(2) 2004, 2006 and 2007
(3) 2004, 2005 and 2007
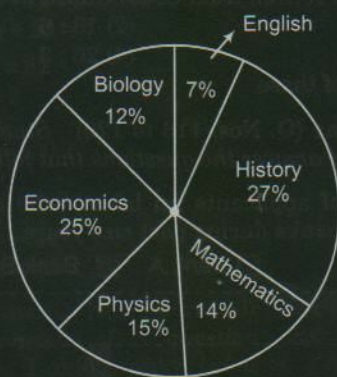(4) 2004, 2006 and 2008
(5) 2006, 2007 and 2008

119. If 20 per cent of candidates who applied for Bank B qualified in the year 2008, then what was the number of candidates who have been disqualified in the same year?
(1) 7.2 lakh
(2) 72000
(3) 6.4 lakh
(4) 64000
(5) None of these

120. What was the respective ratio between the total number of candidates who applied for Bank A in the year 2006 and 2008 and the total number of candidates who applied for Bank B in the years 2005 and 2008 together?
(1) 6 : 7   (2) 4 : 9   (3) 5 : 12   (4) 12 : 5
(5) None of these

Directions (Q. Nos. 121 to 125) *Study the following Pie-chart carefully to answer these questions.*

Percentagewise distribution of teachers who teach six different subjects
Total number of teachers = 2000
Percentage of teachers

121. If five-seventh of the teachers who teach Mathematics are female, then number of male Mathematics teachers is approximately what percentage of the total number of teachers who teach English?
(1) 57   (2) 42   (3) 63   (4) 69
(5) 51

122. What is the difference between the total number of teachers who teach English and History together and the total number of teachers who teach Mathematics and Biology together?
(1) 146   (2) 156
(3) 180   (4) 160
(5) None of these

123. If the percentage of Biology teachers is increased by 40 per cent and percentage of History teachers decreased by 20 per cent then what will be the total number of Biology and History teachers together?
(1) 634   (2) 654
(3) 658   (4) 778
(5) None of these

124. What is the approximate average number of teachers teaching Economics, History and Biology together?
(1) 400   (2) 420
(3) 450   (4) 480
(5) 470

125. What is the respective ratio of the number of teachers who teach Biology and the number of teachers who teach Physics?
(1) 6 : 7   (2) 4 : 7
(3) 3 : 5   (4) 4 : 5
(5) None of these

Test III General Awareness

126. With which one of the following sports is Fernando Alanso associated?
(1) Ferrari   (2) Billiards
(3) Snooker   (4) Tennis
(5) Football

127. In which one of the following States is a mega dam on Subansiri river proposed to be constructed?
(1) J & K   (2) H. P.
(3) Meghalaya   (4) Asom
(5) Arunachal Pradesh

128. The Indian Prime Minister Dr. Manmohan Singh gave stress on which of the following points in his recent address at G-20 meet?
(1) Advanced deficit countries must pursue policies of fiscal consolidation in the short term
(2) Advanced deficit countries must pursue policies of fiscal consolidation in the medium term
(3) Emerging markets must pursue policies of fiscal consolidation in the short term
(4) Emerging markets must pursue policies of fiscal consolidation in the medium term
(5) None of the above

129. Which one of the following countries has recently released 'Icon of democracy' Aung Sen Suu Kyi from jail?
(1) Myanmar
(2) Philippines
(3) China
(4) Vietnam
(5) Thailand

130. Which one of the following was the 2010 Asian Games?
(1) X   (2) XI
(3) XII   (4) XIV
(5) XVI

131. With which one of the following games is Pankaj Advani associated?
(1) Cycling   (2) Shooting
(3) Swimming   (4) Triathion
(5) Billiards

132. Which one of the following advice has been given by the Finance Minister of India to Banks, while addressing the 5th International Banking and Finance Conference?
(1) Banks should provide ATMs in unbanked areas
(2) Banks should extend loans to the people in rural areas
(3) Banks should relax security norms for small businesses
(4) Banks should prepare a roadmap for financial inclusion covering rural households
(5) None of the above

133. Who is Jairam Ramesh?
(1) Union Sports Minister
(2) Union Environment Minister
(3) Union Telecom Minister
(4) Union Steel Minister
(5) Union External Affairs Minister

134. Which one of the following is the first country in Asia to win its 1000 gold medals in Asian Games ?
    (1) China
    (2) Japan
    (3) South Korea
    (4) North Korea
    (5) Indonesia

135. Which one of the following advice has been given by the Supreme Court in respect of subsidized food?
    (1) Let family size determine quota for subsidized food
    (2) The Government should lower the prices of food given under Public Distribution System (PDS)
    (3) The Government should increase the quantity of food given in PDS
    (4) The Government should provide food through more PDS shops
    (5) None of these

136. Who is Deepak Parekh?
    (1) Secretary, Ministry of Finance. GOI
    (2) Secretary, Ministry of Commerce, GOI
    (3) Chairman, BPCL
    (4) Chairman, HDFC
    (5) Chairman. SAIL

137. Which one of the following is the indices of Taiwan Stock Exchange?
    (1) Kospi Composite
    (2) Nikkei
    (3) Heng Seng
    (4) Straits Times
    (5) SSE Composite

138. At which one of the following places in India, the Australian Company Oilex has struck huge natural gas reserves?
    (1) Ahmedabad
    (2) Cambay
    (3) Barmar
    (4) Reva
    (5) Coimbatore

139. On which one of the following issues did G-20 (2010) summit fail to reach an accord?
    (1) Inflation
    (2) Recession
    (3) Trade barriers
    (4) Currency problems
    (5) IMF quota

140. In which one of the following countries is the life expectancy at birth (in number of years) the highest?
    (1) India
    (2) China
    (3) Pakistan
    (4) Sri Lanka
    (5) Bangladesh

141. Who is Montek Singh Ahluwalia?
    (1) Secretary Finance, Govt. of India
    (2) Chairman, Planning, Commission
    (3) Deputy Chairman, Planning Commission
    (4) Revenue Secretary, Govt. of India
    (5) Member, Minority Commission

142. Which one of the following is the objective of proposed amendments to the Competition Act 2002?
    (1) It will give regulatory powers to Competition Commission of India
    (2) It will enhance the responsibility of Competition Commission of India
    (3) It will give judicial powers to Competition Commission of India
    (4) It will require high-stake mergers and acquisitions to seek a mandatory approval from the Competition Commission of India
    (5) None of the above

143. Which one of the following is the minimum amount paid (in rupees) to the workers under the National Rural Employment Guarantee Act?
    (1) ₹ 50 per day
    (2) ₹ 100 per day
    (3) ₹ 1000 per month
    (4) ₹ 3000 per month
    (5) None of these

144. The word 'carbon credit' is related to
    (1) construction industry
    (2) carbon production
    (3) medical science
    (4) IT industry
    (5) None of these

145. What does 'Gold Standard' mean?
    (1) It is a system, where the total currency is backed by gold reserves.
    (2) It is a system where the purity of gold is standardized
    (3) It is a system where the value of ornaments is standardized
    (4) It is a system, on the basis of which IMF quota of member countries is decided
    (5) None of the above

146. Expand the term IFRS ....
    (1) Indian Financial Review Standards
    (2) Indian Financial Reporting Standards
    (3) International Financial Review Standards
    (4) International Financial Reporting Standards
    (5) None of the above

147. Wing Commander is a post related to ....
    (1) Navy
    (2) Army
    (3) Police
    (4) Air Force
    (5) BSF

148. The Board of Control for Cricket in India (BCCI) recently hiked retainership and participation fees for players in different grades. Amongst the following players who is in 'Grade B'?
    (1) V.V.S. Laxman
    (2) Suresh Raina
    (3) Gautam Gambhir
    (4) ZaheerKhan
    (5) Yuvraj Singh

149. According to Planning Commission, which one of the following is probably the current account deficit, during this fiscal?
    (1) 3 per cent of budget
    (2) 3 per cent of GDP
    (3) 3.5 per cent of budget
    (4) 3.5 per cent of GDP
    (5) None of the above

150. What is a Corporate Hedging?
    (1) It is a mechanism to protect firm's exposure to equity risk

(2) It is a mechanism to protect firm's exposure to market risk

(3) It is a mechanism to protect firm's exposure to forex risk

(4) It is a mechanism to protect firm's exposure in international trade

(5) None of the above

151. India is following a system of "fiat money", while issuing currency. What is 'fiat money' ?
(1) The currency is backed by Government Guarantee
(2) The currency is backed by tangible assets
(3) The currency is backed by gold reserves
(4) The currency is backed by budgetary support
(5) None of the above

152. While assessing the performance of core industries, which one of the following industries has highest per cent risk weights?
(1) Crude oil   (2) Coal
(3) Electricity   (4) Cement
(5) Finished steel

153. The direct consequences of Tsunami are ....
(a) loss of livelihood to fishermen
(b) unknown damages to coral reefs
(c) adverse impact on coastal tree plantations
(d) impact of salineation on soil fertility
(e) earthquakes
(1) (a), (b) and (c)
(2) (b), (c) and (d)
(3) (c), (d) and (a)
(4) (a), (b), (c), (d) and (e)
(5) (a), (b), (c) and (d)

154. Members of SAARC countries do not include
(1) Pakistan   (2) Japan
(3) Nepal   (4) India
(5) Bangladesh

155. The magnitude of earthquake waves is measured on ....
(1) Wave scale   (2) Richter's scale
(3) Medic scale   (4) Full bright scale
(5) None of these

156. To which one of the following IMF proposals, has India recently agreed?
(1) It will allow IMF to scrutinize India's financial system
(2) It will allow IMF to draft India's new financial system
(3) It will allow IMF to depute its officials for random checking of Indian Financial System
(4) It will allow IMF to regulate India's financial system
(5) None of the above

157. Green Revolution relates to ....
(1) production through pollution free methods
(2) significant increase in agricultural productivity through high yield seeds etc
(3) educating the citizens for clean and green cities
(4) high milk production
(5) None of the above

158. Which of the following is/are the sources of renewable energy?
A. Wind
B. Solar
C. Thermal
(1) Only A   (2) Only B
(3) Both A and B   (4) Only A and C
(5) None of these

159. India stretches about .... km from North to South.
(1) 2400   (2) 3900
(3) 5200   (4) 3200
(5) 4014

160. CAG is connected with ....
(1) union budgets
(2) state finances and irregularities
(3) audit and related matters
(4) checking expenditure of Government of India
(5) None of the above

161. Medical tourism is related to
(1) cancer patients undertaking tours and travels
(2) all patients going on a vacation
(3) a tourist spot having primary health care facilities
(4) a package covering travel, stay, medical treatment and the like
(5) a holiday package for people suffering from communicable diseases

162. Khajuraho temples are ....
(a) located in Madhya Pradesh
(b) located in Uttar Pradesh
(c) a holy place
(d) a tourist place
(e) an example of Indian Architectural genius.
(1) (a),(b) and (c)   (2) (b), (c) and (d)
(3) (c), (d) and (e)   (4) (a), (d) and (e)
(5) (d), (e) and (b)

163. AC Nielsen - ORG - MARG are related to ....
(1) power transmission   (2) hydraulics
(3) food products   (4) consumer non-durables
(5) market research

164. Cyclones are also called ....
(a) hurricanes   (b) typhoons
(c) tornados   (d) whirlpools
(e) logos
(1) (a) and (b)   (2) (b) and (c)
(3) (a), (b) and (c)   (4) (b), (c) and (d)
(5) None of these

165. A lease ....
(1) is a rental agreement between owner of a flat/house and the Tenant, whereby the Tenant pays a specified amount on specified dates to the owner
(2) is a legal contract between the owner of an asset and its user, containing many conditions including payment of a specified amount by the user to the owner for use of the asset
(3) is mainly used for machinery
(4) is one of the ways resorted to by the companies
(5) None of the above

166. One of the following is a Tiger Reserve in India ....
  (1) Nilgiri   (2) Badravati
  (3) Sariska   (4) Latur
  (5) Krishnagiri

167. Lunar Eclipse ....
  (a) occurs only on a full moon day
  (b) is when earth comes between Sun and Moon
  (c) is when Moon comes between Sun and Earth
  (d) occurs on a new Moon-day
  (e) occurs every 15 days in different parts of the world
  (1) (a) and (b)   (2) (b) and (c)
  (3) (c) and (d)   (4) (d) and (e)
  (5) (e) and (a)

168. Major carpet producing states are ....
  (a) Uttar Pradesh   (b) Jammu and Kashmir
  (c) Tamil Nadu   (d) Kerala
  (e) Asom
  (1) (a) and (b)   (2) (b) and (c)
  (3) (c) and (d)   (4) (d) and (e)
  (5) (e) and (a)

169. One of the following States is famous for sandal wood oil, soaps etc ....
  (1) Tamil Nadu   (2) Kerala
  (3) Andhra Pradesh   (4) Goa
  (5) Karnataka

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170. Factoring ....
  (1) is an easy way of raising capital from a factoring company by small business.
  (2) is selling of account receivables on a contract basis for cash payment to a factor before it is due
  (3) is an arrangement for raising short term money against prepaid expenses
  (4) is a method of discounting of long term bills
  (5) None of the above

171. Kharif crops are ....
  (1) raised in the summer months of April to June
  (2) sown in the beginning of winter and harvested before onset of summer
  (3) potatoes, grams etc
  (4) cotton, sugarcane etc
  (5) sown in summer and harvested after rain (period May to October)

172. The book 'Discovery of India' was written by ....
  (1) Dr. Ambedkar
  (2) Pandit Jawaharlal Nehru
  (3) M. K. Gandhi
  (4) Dadabhai Navroji
  (5) None of these

173. Green House Effect ....
  (1) is the increase in the temperature inside the green house where people can live in
  (2) is the increase in the temperature inside a kiln due to the green brick line
  (3) is the rise in temperature that Earh experiences because certain atmospheric gases trap heat of Sun
  (4) All (1), (2) and (3)
  (5) None of the above

174. The word sovereign in the context of 'Sovereign Republic' means
  (1) no concentration of power and money
  (2) no regional disparity
  (3) no partiality against any religion
  (4) no room for a monarch
  (5) freedom to follow internal and external policies

175. The Golden Quadrilateral Project is a road project connecting ....
  (1) Jammu, Ahmedabad, Kanyakumari and Kolkata
  (2) Delhi, Ahmedabad, Kanyakumari, Guwahati
  (3) Delhi, Mumbai.Chennai, Kolkata
  (4) The four quadrants of India
  (5) None of the above