The other day I visited a refugee __86__ where the victims __87__ the Gujarat Earthquake __88__ in very __89__ conditions. I was particularly __90__ by an old woman who was determined to give __91__ grandchildren a better future. She __92__ a strong and __93__ woman who even after the __94__ of her own children undertook such a journey through life and never felt weak or broken but was an __95__ to us all.

86. (A) house   (B) camp
    (C) home   (D) nest

87. (A) of   (B) to
    (C) in   (D) of

88. (A) was living   (B) are living
    (C) were living   (D) have lived

89. (A) apathetic   (B) sympathetic
    (C) pathetic   (D) empathetic

90. (A) cornered   (B) collected
    (C) worked   (D) moved

91. (A) his   (B) her
    (C) its   (D) their

92. (A) were   (B) had
    (C) was   (D) is

93. (A) courageous   (B) continuous
    (C) ruinous   (D) careful

94. (A) life   (B) death
    (C) mistimeless   (D) cultivated

95. (A) happiness   (B) determination
    (C) motivation   (D) inspiration

96. Most of my friends / (A) heard the earthquake / (B) but I was totally unaware of it. / No error (C) / (D)

97. He walks / as if the earth / (A) (B) belonged to him / No error (C) / (D)

98. The United Nations / emerged for / (A) (B) a cease fire. / No error (C) / (D)

99. Ghana, Nigeria and Guinea / (A) each have parts to play / in the (B) development of Africa / No error (C) / (D)

100. In these days of inflation, / a ten (A) rupees note will not buy you / (B) even an ordinary meal / No error (C) / (D)

101. A double bed is marked at ₹ 7,500. The shopkeeper allows successive discount of 8%, 5% and 2% on it. What is the Net selling price ?
(A) ₹ 6,500   (B) ₹ 6,000
(C) ₹ 6,423.90   (D) ₹ 6,500.50

102. X purchased an item at a discount of 10% and sold it to Y at 10% profit. The marked price and the price for which Y purchased the item are in ratio:
(A) 1 : 1   (B) 10 : 99
(C) 20 : 99   (D) 100 : 99

103. A man engaged a servant on the condition that he would pay him ₹ 90 and a turban after service of one year. He served only for nine months and received the turban and an amount of ₹ 65. The price of turban is
(A) ₹ 25   (B) ₹ 18.75
(C) ₹ 10   (D) ₹ 2.50

104. If diagonals of a rhombus are 24 cm and 32 cm, then perimeter of that rhombus is
(A) 80 cm   (B) 84 cm
(C) 76 cm   (D) 72 cm

105. The inradius of an equilateral triangle is $\sqrt{3}$ cm. Then the perimeter of that triangle is
(A) 18 cm   (B) 15 cm
(C) 12 cm   (D) 6 cm

106. The average marks secured by 36 students was 52. But it was discovered that an item 64 was misread as 46. What is the correct mean of marks ?
(A) 54   (B) 53.5   (C) 53   (D) 52.5

107. A shoe company sold 50 pairs of shoes on a day costing ₹ 189.50 each for ₹ 10,000. Then the profit obtained in ₹ is
(A) 522 (B) 525   (C) 573 (D) 612

108. Kamala bought a bicycle for ₹ 1,650. She had to sell it at a loss of 8%. She sold it for
(A) ₹ 1,551   (B) ₹ 1,518
(C) ₹ 1,510   (D) ₹ 1,508

109. A got twice as many marks in English as in Science. His total marks in English, Science and Mathematics is 180. If the ratio of his marks in English and Mathematics is 2 : 3, what is his marks in Science ?
(A) 20   (B) 60   (C) 30   (D) 40

110. Tom is chasing Jerry. In the same interval of time Tom jumps 8 times while Jerry jumps 6 times. But the distance covered by Tom in 7 jumps is equal to the distance covered by Jerry in 5 jumps. The ratio of speed of Tom and Jerry is
(A) 48 : 35   (B) 28 : 15
(C) 24 : 20   (D) 20 : 21

111. Three years ago the average age of a family of 5 members was 17 years. A baby having been born, the average age of the family remains the same today. The age of the baby today is
(A) 3 years   (B) 2 years
(C) 1 year   (D) 1.5 years

112. Find the difference between the compound interest and the simple interest on ₹ 32,000 at 10% p.a. for 4 years.
(A) 2051.20   (B) 2052.50
(C) 2025.20   (D) 2501.20

113. The whole surface of a cube is 150 sq.cm. Then the volume of the cube is
(A) 125 cm³   (B) 216 cm³
(C) 343 cm³   (D) 512 cm³

114. If each edge of a square be doubled, then the increase percentage of its area is
(A) 200%   (B) 250%
(C) 280%   (D) 300%

115. A solid metallic spherical ball of diameter 6 cm is melted and recast into a cone with diameter of the base as 12 cm. The height of the cone is
(A) 2 cm   (B) 3 cm
(C) 4 cm   (D) 6 cm

116. Subtracting x% of y from y means multiplying y by
(A) $\dfrac{x}{100}$ (B) $\dfrac{x}{100} - 1$
(C) $1 - \dfrac{x}{100}$ (D) $\left(1 - \dfrac{x}{100}\right)$

117. In a village 30% of the population is literate. If the total population of the village is 66000, then the number of illiterate is
(A) 1980   (B) 4620
(C) 2200   (D) 3280

118. Two trains start from stations A and B and travel towards each other at speeds of 50 kmph and 60 kmph respectively. At the time of their meeting, the second train has travelled 120 km more than the first. The distance between A and B is
(A) 1200 km   (B) 1440 km
(C) 1320 km   (D) 990 km

119. If $P^3 + 3P^2 + 3P = 7$, then the value of $P^2 + 2P$ is
(A) 4   (B) 3   (C) 5   (D) 6

120. If $x = 2016$, $y = 2014$ and $z = 2013$, then value of $x^2 + y^2 + z^2 - xy - yz - zx$ is
(A) 3   (B) 4   (C) 6   (D) 2

121. If $3a^2 = b^2 \neq 0$, then the value of $\dfrac{(a+b)^3 - (a-b)^3}{(a+b)^2 + (a-b)^2}$ is
(A) $\dfrac{3}{2}b$ (B) b
(C) $\dfrac{1}{2}b$ (D) $\dfrac{2}{3}b$

122. A hemispherical bowl of internal radius 15 cm contains a liquid. The liquid is to be filled into a cylindrical-shaped bottles of diameter 5 cm and height 6 cm. The number of bottles required to empty the bowl is
(A) 30   (B) 40   (C) 50   (D) 60

123. Two equal maximum sized circular plates are cut off from a circular paper sheet of circumference 352 cm. Then the circumference of each circular plate is
(A) 176 cm   (B) 150 cm
(C) 165 cm   (D) 180 cm

124. If $a + b + c = 0$, then the value of $(a + b - c)^2 + (b + c - a)^2 + (c + a - b)^2$ is
(A) 0   (B) 8abc
(C) $4(a^2 + b^2 + c^2)$ (D) $4(ab + bc + ca)$

125. Two circles C_1 and C_2 touch each other internally at P. Two lines PCA and PDB meet the circles C_1 in C, D and C_2 in A, B respectively. If $\angle BDC = 120°$, then the value of $\angle ABP$ is equal to

(A) 60° (B) 80° (C) 100° (D) 120°

126. DE is a tangent to the circumcircle of $\triangle ABC$ at the vertex A such that DE ∥ BC. If AB = 17 cm, then the length of AC is equal to

(A) 16.9 cm (B) 16.8 cm
(C) 17.3 cm (D) 17 cm

127. The distance between the centres of two circles with radii 9 cm and 16 cm is 25 cm. The length of the segment of the tangent between them is

(A) 24 cm (B) 25 cm
(C) $\frac{50}{3}$ cm (D) 17 cm

128. If $x - \frac{1}{x} = \frac{1}{12}$ and $x + \frac{1}{x} = \frac{1}{12}$ then the value of $x^4 - \frac{1}{x^4}$ is

(A) $\frac{58975}{20736}$ (B) $\frac{59825}{20736}$

(C) $\frac{57985}{20736}$ (D) $\frac{57895}{20736}$

129. AD is the median of a triangle ABC and O is the centroid such that AO = 10 cm. Length of OD (in cm) is

(A) 3 (B) 4 (C) 5 (D) 7

130. The measure of the angle between the internal and external bisectors of an angle is

(A) 60° (B) 70° (C) 80° (D) 90°

131. Let A, B, C, D be the angles of a quadrilateral. If they are concyclic, then the value of
$\cos A + \cos B + \cos C + \cos D$ is

(A) 0 (B) 1 (C) −1 (D) 2

132. If a pole of 12 m high casts a shadow of $4\sqrt{3}$ m long on the ground, then the sun's angle of elevation at that instant is

(A) 30° (B) 60° (C) 45° (D) 90°

133. If $\sin(\theta + 15°) = \cos(\theta + 0 - 90°)$, then the value of $\cos 3\theta$ is

(A) $\frac{1}{2}$ (B) 0

(C) $\frac{1}{\sqrt{2}}$ (D) 1

134. If $\tan\theta = \frac{3}{4}$, then the value of
$\dfrac{4\sin^2\theta - 3\cos^2\theta}{4\sin^2\theta + 3\cos^2\theta}$ is equal to

(A) $\frac{1}{21}$ (B) $\frac{2}{21}$

(C) $\frac{4}{21}$ (D) $\frac{5}{21}$

135. If $\dfrac{\cos\theta}{\cos\phi} = a$, $\dfrac{\sin\theta}{\sin\phi} = b$, then $\sin^2\phi$ is equal to

(A) $\dfrac{a^2 - 1}{a^2 + b^2}$ (B) $\dfrac{a^2 - 1}{a^2 - b^2}$

(C) $\dfrac{a^2 - 1}{a^2 + b^2}$ (D) $\dfrac{a^2 + 1}{a^2 + b^2}$

136. If the Universal Set

$U = \{1, 2, 3, 4, 5, 6, 7, 8\}$ and

$A = \{1, 2, 3, 4\}$, then A^C is equal to

(A) $\{5, 6, 7, 8\}$ (B) $\{5, 6, 1, 2\}$

(C) $\{5, 6, 2, 3\}$ (D) $\{5, 6, 3, 4\}$

137. Find the nth term of the following sequence :

$$5 + 55 + 555 + \ldots T_n$$

(A) $5(10^n - 1)$ (B) $5^n(10^n - 1)$

(C) $\frac{5}{9}(10^n - 1)$ (D) $\left(\frac{5^n}{9}\right)(10^n - 1)$

138. If 12 men or 24 boys can do a work in 66 days, the number of days in which 15 men and 6 boys can do it is

(A) 44   (B) 33   (C) 55   (D) 66

139. The 30th term of the series 30, $25\frac{1}{2}$,

31, $16\frac{1}{2}$ .... is

(A) 0   (B) $-100\frac{1}{2}$

(C) -183 (D) $-133\frac{1}{2}$

140. The digit in unit's place of the product $49237 \times 3995 \times 738 \times 83 \times 9$ is

(A) 0   (B) 7   (C) 5   (D) 6

141. If $x : y$ be the ratio of two whole numbers and z be their h.c.f., then the l.c.m. of those two numbers is

(A) yz (B) $\frac{xz}{y}$

(C) $\frac{xy}{z}$ (D) xyz

The marks obtained by 273 examinees is shown by the frequency polygon. Given that mean marks is 39.5. Study the frequency polygon and answer Q. Nos. 142 to 145

Frequency of Marks obtained
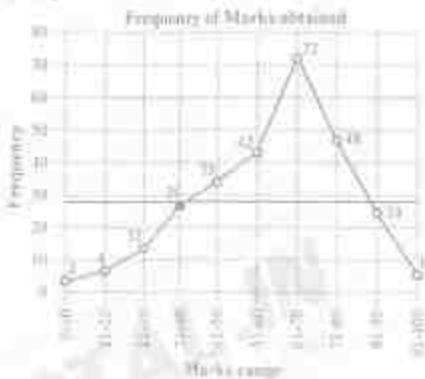
142. The number of examinees getting more than average marks is

(A) 72   (B) 105   (C) 152   (D) 164

143. Percentage of the students who got above 80% marks is

(A) 9.81   (B) 10.53   (C) 11.28   (D) 11.72

144. Percentage of the students got marks above 60% and below 80% is

(A) 43.95   (B) 48.39

(C) 51.06   (D) 56.84

145. If 40 is the pass marks, percentage of students failed is

(A) 14.56   (B) 15.84

(C) 16.11   (D) 17.25

study for bar diagram and answer Q. Nos 146 to 150.
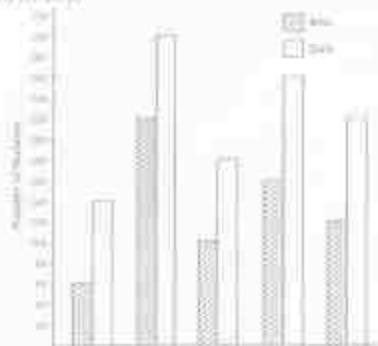
Total number of boys and girls in five different departments of a college.

146. The percentage of the girls from Biology Department comparing to the total number of girls from all the other Departments together is

(A) $37\frac{1}{2}$ (B) 37 (C) $36\frac{1}{2}$ (D) $35\frac{1}{2}$

147. The difference between the total number of boys and the total number of girls from all the Departments together is

(A) 540 (B) 520 (C) 460 (D) 440

148. The average number of boys from all the departments together is

(A) 123 (B) 132 (C) 134 (D) 142

149. The percentage of the boys from Biology Department comparing to the total number of boys from all the Departments together is

(A) $33\frac{1}{3}$ (B) 30 (C) $33\frac{1}{2}$ (D) 30

150. The respective ratio of number of girls from Philosophy Department to the number of girls from Psychology Department is

(A) 7 : 11   (B) 11 : 7
(C) 7 : 10   (D) 6 : 11

142. Which one of the following numbers is a multiple of 11 ?
(A) 978626   (B) 447555
(C) 112144   (D) 869756

143. ₹ 782 is divided into 3 parts proportional to the fractions 1/2, 2/3 & 3/4. Then the 1st part is
(A) ₹ 182 (B) ₹ 190 (C) ₹ 196 (D) ₹ 204

144. The total interest in 4 years becomes $\frac{8}{25}$ of the principal at some simple interest per annum. The rate of interest per annum is

(A) 8% (B) 10% (C) $3\frac{7}{25}$% (D) 4%

145. If 15% of the students in a school are boys and the girl's number is 340, then the number of the boys is
(A) 30 (B) 60 (C) 80 (D) 85

146. The value of

$$\frac{6.4 \times 6.4 \times 6.4 - 4.6 \times 4.6 \times 4.6}{6.4 \times 6.4 + 6.4 \times 4.6 + 4.6 \times 4.6}$$ is

(A) 11 (B) 5.4 (C) 3.6 (D) 1.8

147. If $P^2 + \frac{1}{P^2} = 1$ (P > 0), then the value of $P^3 + \frac{1}{P^3}$ is

(A) 1   (B) 2   (C) 3   (D) 0

148. Each interior angle of a regular octagon is
(A) 120° (B) 108° (C) 135° (D) 45°

149. The value of

$$\frac{12 \sin^2 61° + 8 + 12 \cos^2 29°}{9 \cos^2 15° + 1 + 9 \cos^2 75°}$$ is

(A) 1   (B) 2   (C) 4   (D) 3

150. If $\tan \theta + 15° = \sqrt{3}$, where θ is acute, then the value of $\sin \theta$ is

(A) $\sqrt{2}$ (B) $\frac{1}{\sqrt{3}}$ (C) $\frac{\sqrt{3}}{2}$ (D) $\frac{1}{\sqrt{2}}$

SPACE FOR ROUGH WORK

151. Which among the following States, first introduced the Panchayat Raj System ?
(A) Rajasthan   (B) Haryana
(C) Uttar Pradesh   (D) Maharashtra

152. Which was the backbone of India's Economy ?
(A) Agriculture
(B) Trade
(C) Wheel Made Pottery
(D) Carpentry

153. Which Mughal Emperor transferred the Mughal Capital from Agra to Delhi ?
(A) Jahangir   (B) Aurangzeb
(C) Shahjahan   (D) Bahadur Shah

154. Who said, "A living thing is born" after the League of Nation's Covenant was drafted ?
(A) Lord Robert Cecil
(B) Woodrow Wilson
(C) Orlando
(D) Neville Chamberlain

155. The author of 'Arthashastra' was a contemporary of _____
(A) Ashoka
(B) Chandragupta Maurya
(C) Samudragupta
(D) Chandragupta Vikramaditya

156. The Taj Mahal was built by _____
(A) Jahangir   (B) Shahjahan
(C) Sher Shah   (D) Nadir Shah

157. The Election Commission is established under the Article
(A) Article-355   (B) Article-256
(C) Article-324   (D) Article-320

158. In the year 1977, an official committee was appointed to examine Panchayat Raj under the Chairmanship of
(A) Ashok Mehta
(B) Shri Ram Mehta
(C) Balwant Rai Mehta
(D) Manohar Lal Mehta

159. How many countries are the members of U.N. General Assembly ?
(A) 190   (B) 191
(C) 192   (D) 193

160. Which one of the following continents lies in Northern-Southern and Eastern-Western hemispheres of the earth ?
(A) Australia   (B) Africa
(C) Europe   (D) South America

161. Which Committee/Commission examined the Centre and State relationship ?
(A) Ashok Mehta Committee
(B) Indrajit Gupta Committee
(C) Sarkaria Commission
(D) N.N. Vohra Committee

162. Which one of the following is not a photosynthetic pigment ?
(A) Chlorophyll   (B) Phycobilin
(C) Carotenoid   (D) Anthocyanin

163. National Fruit of India is
(A) Mango   (B) Pineapple
(C) Apple   (D) Grapes

164. Which of the following is a fibrous protein ?
(A) Haemoglobin   (B) Albumin
(C) Keratin   (D) Enzymes

165. Typhoid fever is caused by
(A) Bacteria   (B) Virus
(C) Protozoa   (D) Fungi

166. The International Commission on Zoological Nomenclature was established in
(A) 1895   (B) 1998
(C) 2001   (D) 1994

167. Which one of the following is the world's largest desert ?
(A) Arabian   (B) Kalahari
(C) Sahara   (D) Thar

168. The percentage of India's total population employed in agriculture is nearly
(A) 60%   (B) 50%
(C) 70%   (D) 80%

169. The temperature increases rapidly above
(A) Ionosphere   (B) Exosphere
(C) Stratosphere   (D) Troposphere

170. 1 Micron is equal to
 (A) 10^{-6} m   (B) 10^{-12} m
 (C) 10^{-9} m   (D) 10^{-15} m

171. A wavelength of 0.3 m is produced in air and it travels at a speed of 300 m/s. Then it will be an
 (A) Audible wave
 (B) Infrasonic wave
 (C) Ultrasonic wave
 (D) Microwave

172. The time between program input and output is called
 (A) Turn around time
 (B) Waiting time
 (C) Execution time
 (D) Delay time

173. The Indian National Grid Computing Initiative for Scientific Engineering and Academic Community is named
 (A) Ganga   (B) SAGA
 (C) Garuda   (D) PARAM

174. Sodium Calcinate is commonly known as
 (A) Baking Soda   (B) Washing Soda
 (C) Caustic Soda (D) Caustic Potash

175. Candolle - Linnaeus - System of classification is
 (A) Natural   (B) Artificial
 (C) Binomial   (D) Phylogenetic

176. A man standing at the top of a tower has two spheres A and B. He drops sphere A downwards and throws sphere B horizontally at the same time. Which of the following is correct ?
 (A) Both the spheres will reach the ground simultaneously.
 (B) A will reach the ground first.
 (C) B will reach the ground first.
 (D) The question is incomplete because the masses of the spheres are not given.

177. The dimensional formula $ML^{-1}T^{-1}$ corresponds to
 (A) Modulus of elasticity
 (B) Viscosity
 (C) Moment of force
 (D) Power

178. Concentration of a material which is lethal to 50% animal is called as
 (A) LD_{50} (B) LC_{50}
 (C) NOAEL   (D) ADI

179. Neap tides are
 (A) Strong   (B) Weak
 (C) Medium   (D) Very strong

180. Sahara is located in which part of Africa ?
 (A) Eastern   (B) Western
 (C) Northern   (D) Southern

181. The Ocean with the largest surface area is
 (A) Arctic Ocean
 (B) Atlantic Ocean
 (C) Indian Ocean
 (D) Pacific Ocean

182. About how many Indians cannot meet their essential needs as per a report by McKinsey Global Institute (MGI) released on 19th February, 2014 ?
 (A) 66%   (B) 56%
 (C) 46%   (D) 36%

183. When a bond is formed between two atoms, the energy of the system will
 (A) increase
 (B) decrease
 (C) remain the same
 (D) may increase or decrease

184. If the equilibrium constants for the systems $H_2 + I_2 \rightleftharpoons 2HI$ and $2HI \rightleftharpoons H_2 + I_2$ are K_1 and K_2 respectively, the relationship between K_1 and K_2 is
 (A) $K_1 = K_2$ (B) $K_1 = 2K_2$
 (C) $K_1 = K_2/2$ (D) $K_1 = 1/K_2$

185. Water has maximum density at
 (A) 100 °C   (B) 0 °C
 (C) 4 °C   (D) 273 °C

186. Who is the founder of Jainism in India ?
    (A) Gautama   (B) Mahavira
    (C) Chandragupta   (D) Ashoka

187. Who compiled the tales of "The Panchatantra" ?
    (A) Valmiki
    (B) Veda Vyasa
    (C) Vishnu Sharma
    (D) Tulsidas

188. Rajiv Gandhi Khel Ratna award for 2012-13 was awarded to
    (A) Sachin Tendulkar
    (B) Sania Mirza
    (C) Major RVS Rathore
    (D) Ronjan Sodhi

189. Human Rights Day is observed on
    (A) 10ᵗʰ March   (B) 10ᵗʰ July
    (C) 10ᵗʰ September   (D) 10ᵗʰ December

190. Ajanta Caves were built during period of
    (A) Gupta   (B) Kushana
    (C) Maurya   (D) Chalukya

191. Who was the painter of the famous painting called : 'Bharatmata' ?
    (A) Gaganendranath Tagore
    (B) Abanindranath Tagore
    (C) Nandalal Bose
    (D) Jamini Roy

192. Who discovered Cape of Good Hope in 1488 ?
    (A) Magellan
    (B) Columbus
    (C) Bartholomew Dias
    (D) Vasco da gama

193. Telephone was invented by
    (A) Alexander Graham Bell
    (B) Baird
    (C) Stevenson
    (D) Newton

194. Which was the first country to host the Asian Games ?
    (A) Korea   (B) India
    (C) Japan   (D) China

195. The 'Slack Season' in the Indian Economy is
    (A) March-April
    (B) September-December
    (C) January-June
    (D) February-April

196. The relationship between the rate of interest and level of consumption was first visualized by
    (A) Amartya K. Sen
    (B) Milton Friedman
    (C) Irving Fisher
    (D) James Duesenberry

197. Which one of the Constitutional amendment has established Panchayati Raj Institutions ?
    (A) 72ⁿᵈ Amendment Act
    (B) 71ˢᵗ Amendment Act
    (C) 73ʳᵈ Amendment Act
    (D) 78ᵗʰ Amendment Act

198. 'Take-off stage' in an economy means
    (A) Steady growth begins
    (B) Economy is stagnant
    (C) Economy is about to collapse
    (D) All controls are removed

199. Taxes are as certain as the death because
    (A) They constitute the major source of government revenue
    (B) Government have no other source of revenue
    (C) Most PSUs are run inefficiently
    (D) Government has its own budget constraints

200. Which is NOT a measure undertaken by government to check inflation ?
    (A) Increase in consumption
    (B) Increase in production
    (C) Reduction in Deficit financing
    (D) Taxation measures

Test Form No.
टेस्ट फॉर्म संख्या
129 TN 7

AE-2014

AE –

Time Allowed : 2 Hours (For V.H. Candidates and Candidates Suffering from Cerebral palsy : 2 hrs. 40 Min.)

Maximum Marks : 200

निर्धारित समय : 2 घण्टे   (दृष्टिबाधित एवं सेरीब्रल पाल्सी प्रभावित अभ्यर्थियों के लिए : 2 घण्टे 40 मिनट)   अधिकतम अंक   200

Read the following instructions carefully before you begin to answer the questions.
This Booklet contains questions in English as well as in Hindi Language.
प्रश्नों के उत्तर देने से पहले निम्नलिखित अनुदेशों को ध्यान से पढ़ लें ।
इस पुस्तिका में प्रश्न अंग्रेजी तथा हिन्दी दोनों भाषा में दिये गये हैं ।

INSTRUCTIONS TO CANDIDATES

1. This Booklet contains 200 questions in all comprising the following four parts:

   Part-I   General Intelligence   (50 Questions)
   Part-II   English Language   (50 Questions)
   Part-III Quantitative Aptitude   (50 Questions)
   Part-IV   General Awareness   (50 Questions)

उम्मीदवारों के लिए आदेश

Directions : In Question Nos. 1 to 7, find the odd number/letters/number pair from the given alternatives.

1. (A) GHI (B) PRS
   (C) UVW (D) ABC

2. (A) 45, 6, 7 (B) 15, 3, 4
   (C) 35, 5, 6 (D) 25, 4, 5

3. (A) 725 (B) 840 (C) 632 (D) 475

4. (A) 64 – 36 (B) 75 – 35
   (C) 57 – 43 (D) 39 – 61

5. (A) Orange (B) Apple
   (C) Lemon (D) Grapes

6. (A) NDTA (B) NATO
   (C) NASA (D) NAM

7. (A) Diamond (B) Gold
   (C) Silver (D) Platinum

8. In the following question letters are skipped between by following a particular rule. Which of the following series observes the rule ?
   (A) BDFU (B) DGILM
   (C) BDHDF (D) ACFHI

9. Which one of the given responses would be a meaningful order of the following words ?
   1. Type 2. Print
   3. Open 4. Save
   5. Close
   (A) 3, 4, 1, 2, 5 (B) 3, 5, 4, 2, 1
   (C) 3, 1, 4, 2, 5 (D) 3, 2, 1, 4, 5

10. Which one of the given responses would be a meaningful order of the following words ?
    1. Evaluation
    2. Presentation
    3. Recap
    4. Aim announcement
    5. Motivation
    (A) 1, 2, 5, 3, 4 (B) 5, 2, 1, 4, 3
    (C) 5, 4, 2, 3, 1 (D) 2, 1, 3, 4, 5

Directions : In Question Nos. 11 to 15, choose the correct alternative from the given ones that will complete the series.

11. 1. A, C, E 2. B, D, F
    3. G, I, K 4. "
    (A) L, J, H (B) Z, Y, X
    (C) H, J, L (D) K, L, M

12. KKMLLNMMONNPOOQP ?
    (A) PQ (B) ST
    (C) QV (D) PR

13. 30, 24, 19, 15, 12, ?
    (A) 6 (B) 8
    (C) 10 (D) 11

14. 2, 7, 17, 32, 52, 77, ?
    (A) 107 (B) 91
    (C) 101 (D) 92

15. 30, 28, 23, 21, ?
    (A) 15 (B) 16
    (C) 18 (D) 20

16. Select the odd word :
    (A) Compress (B) Condense
    (C) Concise (D) Convert

17. Which one is different from the rest three ?
    (A) Polar Bear (B) Penguin
    (C) Seal (D) Tiger

18. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?
    _ a b _ b a b c _ c a _
    (A) acabb (B) abcca
    (C) cacab (D) abach

19. If DEVELOPMENT is written as 458531D0572, how ENVELOPE can be written in that code ?
(A) 57R51305   (B) 57853105
(C) 57835105   (D) 57850135

20. If MARCH is coded as PXUZK, what will be the code of APRIL ?
(A) DMUFO   (B) DSULO
(C) ZKIRO   (D) ZKRIO

21. If A denotes ÷, B denotes − and C denotes ×, then
(10 C 4) A (4 C 4) B 6 = ?
(A) 46   (B) 50   (C) 55   (D) 58

22. What sign should be changed to make the equation 5 + 6, 3 − 12 × 2 = 17 correct ?
(A) +   (B) + +
(C) − +   (D) None of these

23. If 10 boys walk 10 km in 10 days, then how many days it will take for 5 boys to walk 10 km ?
(A) 1   (B) 5   (C) 8   (D) 10

24. In a zoo, there are Rabbits and Pigeons. If heads are counted, there are 300 and if legs are counted, there are 980. How many pigeons are there ?
(A) 90   (B) 100 (C) 110 (D) 120

25. From the given alternatives, select the word which cannot be formed using the letters of the given word :
FRAGMENT
(A) RAGE   (B) TEAR
(C) MEAN   (D) FRACE

26. Ram and Shyam started from a fixed place. Ram moves 3 km to the North and turns right, then walks 4 km. Shyam moves towards West and walks 5 km, then turns to right and walks 3 km. How far Ram is from Shyam ?
(A) 13 km   (B) 16 km
(C) 9 km   (D) 10 km

Directions : In Question Nos. 27 to 29, select the missing number from the given responses.

27.

5	4	5	8	9	4
20	9	24	11	?	13

(A) 36   (B) 117 (C) 52   (D) 26

28.

9	30	21
9	?	14
12	40	28

(A) 20   (B) 17   (C) 37   (D) 70

29.

28	4	35	5	?	3
7	11	5	10	8	11

(A) 22   (B) 24   (C) 25   (D) 28

30. Which one is true ?
   1. All players are not tall.
   2. All basketball players are tall.
   3. All tall people are players.
   4. Some players are tall.
   (A) 4   (B) 3
   (C) 2   (D) 1

31. One Statement is given followed by two Assumptions, I and II. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You are to decide which of the given assumptions can definitely be drawn from the given statement. Indicate your answer:
   Statement   : All the people in Kerala are literate.
   Assumption I : People of Kerala are well educated and cultured.
   Assumption II : People of Kerala are hard working and sincere.
   (A) Only I is implicit.
   (B) Only II is implicit.
   (C) Both I and II are implicit.
   (D) Neither I nor II is implicit.

32. A student walked out from the Classroom towards the Library. She went first to the Canteen on the left side, 24 ft away. After a cup of tea, took a right turn and went to the Laboratory 13 ft away. She then went to the Physics Block, 15 ft to the left. she talked to a friend, in the garden 3 ft on the left and continued walking in the same direction to the Library, 10 ft more. What was the actual distance between the Library and the Classroom ?
   (A) 42 ft.   (B) 65 ft.
   (C) 39 ft.   (D) 34 ft.

Directions : In Question Nos. 33 to 39, select the related letter/word/number from the given alternatives.

33. VZS : EAH : : ? : JFM
   (A) QSM   (B) NUQ
   (C) QUN   (D) QNU

34. HJLN : PRTV : : BDFH : ?
   (A) JMOR   (B) JLNP
   (C) KLOR   (D) JKOR

35. DLOC : ECI : TOH : ?
   (A) EET   (B) EAT
   (C) AET   (D) ETA

36. 42 : 20 : : 64 : ?
   (A) 31   (B) 32   (C) 30   (D) 42

37. Rabindranath : Sitar : : Bismillah Khan : ?
   (A) Sarod   (B) Santoor
   (C) Shehnai   (D) Flute

38. India : Mango : : New Zealand : ?
   (A) Apples   (B) Kiwi
   (C) Grapes   (D) Bananas

39. Fill the correct words in the blanks
   Christmas : ? : : ? : Biryani
   (A) Christian, Muslim
   (B) Cashew, Rice
   (C) Jesus, Ramzan
   (D) Cake, Id-ul-Fitre

Directions : In Question Nos. 40 & 41, choose the numbers similar to the group of numbers given.

40. 576 : 428 : 365
   (A) 358 (B) 349 (C) 624 (D) 266

41. 580 : 265 : 343
   (A) 266 (B) 400 (C) 428 (D) 383

SPACE FOR ROUGH WORK

42. How many rectangles are there in the given figure ?
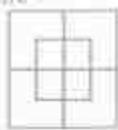
(A) 6 (B) 4 (C) 8 (D) 10

43. From the answer figures, select the one which can be formed from the components given in the question figure.

Question Figure :

Answer Figures :

(A) (B) (C) (D)

Directions : In Question Nos. 44 and 45, identify the diagram that best represents the relationship among classes given below.

44. Govt. Servants, Lawyers, Doctors

(A) (B)

(C) (D)
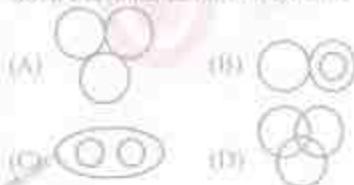
45. M.K. Gandhi, Upensh Chandra Baudhopadhyay, Jatin Das and Surya Sen

(A) (B)

(C) (D)

46. Which answer figure will complete the pattern in this question figure ?

Question Figure :

Answer Figures :

(A) (B) (C) (D)

47. Which of the answer figures is embedded in the question figure ?

Question Figure :

Answer Figures :

(A) (B) (C) (D)

48. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

Question Figures :
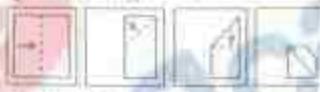
Answer Figures :

(A) (B) (C) (D)

49. Identify the alternative which resemble the mirror-image of the given word.

SECRETARY
(A) YRATERƆES
(B) YRATERƆES
(C) YRATERƆES
(D) YRATERƆES

50. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column e.g., 'A' can be represented by 00, 11, 29 etc. and 'P' can be represented by 59, 68, 75, etc. Similarly, you have to identify the set for the word 'LOAD'.

Matrix I						Matrix II					
	0	1	2	3	4		5	6	7	8	9
0	A	B	C	D	E	5	L	M	N	O	P
1	B	A	E	D	C	6	M	L	N	P	O
2	A	C	D	B	E	7	P	L	M	N	O
3	E	A	D	C	B	8	P	O	M	N	L
4	C	E	A	D	B	9	O	M	P	L	N

(A) 55, 42, 86, 03
(B) 66, 40, 31, 13
(C) 89, 86, 11, 99
(D) 76, 95, 20, 32

SPACE FOR ROUGH WORK

Directions : In Question Nos. 42 and 43, select the related word/number from the given alternatives.

42. 12 : 7 : : 16 : ?
   (A) 10   (B) 9   (C) 7   (D) 8

43. Monsoon : Flood : : Summer : ?
   (A) Rain   (B) Hot
   (C) Drought   (D) Cold

Directions : In Question Nos. 44 to 48, find the odd number/letters/number pair from the given alternatives.

44. (A) 2 - 70   (B) 4 : 50
    (C) 3 - 30   (D) 1 : 10

45. (A) 590   (B) 448
    (C) 449   (D) 497

46. (A) 1473   (B) 7134
    (C) 3472   (D) 7413

47. (A) 2 - 7   (B) 4 - 5
    (C) 6 - 3   (D) 8 - 2

48. (A) 5 - 26   (B) 8 - 65
    (C) 6 - 36   (D) 9 - 82

49. Choose the correct alternative from the given ones that will complete the series.
   F, J, O, ?, Y
   (A) T   (B) L   (C) Q   (D) A

50. If [2 * 8 * 1 = 8]
    3 * 2 * 1 = 27
    then 4 * 3 * 1 * 4 = ?
    (A) 225   (B) 125
    (C) 625   (D) 64

Part – II
ENGLISH LANGUAGE

Directions : In Question Nos. 51 to 55, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternative out of the four and indicate it by blackening the appropriate oval [●] in the Answer Sheet.

51. The students are told to _____ these words in the dictionary.

    (A) look down   (B) look up

    (C) look into   (D) look after

52. Rama took his _____ for the wrong done to him.

    (A) avenge   (B) vengeance

    (C) revenge   (D) avenge

53. Students are not prepared _____ that kind of question.

    (A) to   (B) with

    (C) for   (D) on

54. Communism and Socialism have always _____ the sermons of economic equality.

    (A) said   (B) instructed

    (C) preached   (D) obeyed

55. Robert _____ Ali of his support.

    (A) assure   (B) ensured

    (C) insured   (D) assured

Directions : In Question Nos. 56 to 60, out of the four alternatives, choose the one which best expresses the meaning of the given word and mark it in the Answer Sheet.

56. Sham

    (A) Real

    (B) Genuine

    (C) Authentic

    (D) Fake

57. Arduous

    (A) Troublesome

    (B) Gloomy

    (C) Difficult

    (D) Perilous

58. Jealous

    (A) Interested

    (B) Hatred

    (C) Envied

    (D) Admired

59. Guile

    (A) Cunning

    (B) Careful

    (C) Careless

    (D) Greedy

60. Futility

    (A) Uselessness

    (B) Insignificance

    (C) Irrelevance

    (D) Unimportance

61. Profuse
    (A) Sparse
    (B) Miserly
    (C) Brief
    (D) Immoderate

62. Mitigate
    (A) Appease
    (B) Enhance
    (C) Alley
    (D) Relieve

63. Prudent
    (A) Quiet
    (B) Silly
    (C) Feeble
    (D) Careless

64. Traditional
    (A) Avant-garde
    (B) Present
    (C) Unusual
    (D) Fresh

65. Turbulent
    (A) Harmony
    (B) Gusty
    (C) Calm
    (D) Windy

66. The boy was in Dutch with his friends.
    (A) in love
    (B) in good terms
    (C) in awe
    (D) in trouble

67. Their attempt to get back the stolen necklace became a wild goose chase.
    (A) wise decision
    (B) useless search
    (C) timely action
    (D) delayed action

68. The departmental store is open around the clock.
    (A) at different timings
    (B) early morning
    (C) day and night
    (D) throughout the afternoon

69. Through the reporter's efforts, many unknown facts have come to light.
    (A) finished
    (B) flared up
    (C) brightened
    (D) been revealed

70. I do not see eye to eye with you in this matter.
    (A) to give a correct decision
    (B) to obtain suitable punishment
    (C) to have the same eyesight
    (D) to have the same opinion

71. It is quite tough to declare which candidate will win the presidential election.

    (A) predict
    (B) augur
    (C) portend
    (D) No improvement

72. Transcoding has one of the items in the new syllabus.

    (A) is one of the items
    (B) has one of the item
    (C) is one of the item
    (D) No improvement

73. She does not tell lies, doesn't she ?

    (A) isn't she ?
    (B) does she ?
    (C) didn't she ?
    (D) No improvement

74. Have you ever been in New York ?

    (A) at
    (B) to
    (C) with
    (D) No improvement

75. Wave after wave surrounded the tower.

    (A) engulfed
    (B) circled
    (C) encircled
    (D) No improvement

76. Accidental good fortune

    (A) Serendipity   (B) Good luck
    (C) Chance   (D) Fluke

77. Short speech or poem given at the end of a play or a book

    (A) Epilogue   (B) Epigram
    (C) Epitaph   (D) Epicure

78. A person who drive our motor cars

    (A) Driver   (B) Chauffeur
    (C) Conductor   (D) Lift-operator

79. The headmaster brought back to mind the outstanding achievements of the school.

    (A) remembered   (B) reminded
    (C) renounced   (D) recalled

80. Lack of feeling

    (A) Empathy   (B) Apathy
    (C) Sympathy   (D) Pity

81. (A) Acoustics   (B) Acouastics
    (C) Acuustics   (D) Acchoustics

82. (A) Repertoire   (B) Repartoire
    (C) Repertwah   (D) Repertiore

83. (A) Neccesary   (B) Neccesarry
    (C) Necesarry   (D) Necessary

84. (A) Narcicisism (B) Narcicicism
    (C) Narcissism   (D) Narcisism

85. (A) Seige   (B) Pharoah
    (C) Laison   (D) Portuguese