

91. Percentage of water absorbed by raisins is :
- (1) Directly proportional to the weight of dry raisins
 - (2) Inversely proportional to the weight of dry raisins.
 - (3) Equal to the weight of dry raisins.
 - (4) None of these.
92. According to the Law of Reflection :
- (1) The angle of incidence is equal to the angle of reflection.
 - (2) The angle of incidence is double the angle of reflection.
 - (3) The angle of reflection is double the angle of incidence.
 - (4) None of the above.
93. The characters transmitted from parents to offsprings are present in :
- (1) cytoplasm
 - (2) ribosome
 - (3) golgi bodies
 - (4) genes
94. The branch of biology dealing with the transmission of characters from one generation to other is termed as :
- (1) Mycology
 - (2) Genetics
 - (3) Anatomy
 - (4) Physiology
95. The SI unit of converging ability of a lens is :
- (1) cm
 - (2) m
 - (3) dioptre
 - (4) power
96. An alloy is :
- (1) an element
 - (2) a compound
 - (3) a homogenous mixture
 - (4) a heterogenous mixture
97. The fossil remains of Archaeopteryx is a connecting link between :
- (1) reptiles and mammals
 - (2) reptiles and birds
 - (3) fish and amphibian
 - (4) amphibian and reptile
98. A pacemaker is meant for :
- (1) transplanting liver
 - (2) transplanting heart
 - (3) regulation of heart beats
 - (4) regulation of blood flow
99. Renewable energy is preferred over the conventional energy as they are :
- (1) non-exhaustible
 - (2) costly
 - (3) highly efficient
 - (4) none of these
100. The pH of the gastric juices released during digestion is :
- (1) less than 7
 - (2) more than 7
 - (3) equal to 7
 - (4) equal to 0

108. A student has to obtain 40% marks to pass the examination. He secures 40 marks and fails by 20 marks. The total marks for the examination are :
- (1) 180 (2) 160 (3) 150 (4) 125
109. If a cyclist moves at 24 km per hour, he reaches his destination 5 minutes too late and if he cycles at 30 km per hour, he reaches his destination 4 minutes too soon. The distance the cyclist covers is :
- (1) 15 km (2) 18 km (3) 20 km (4) 22 km
110. The value of $\frac{\tan 45^\circ}{\operatorname{cosec} 30^\circ} + \frac{\sec 60^\circ}{\cot 45^\circ} - \frac{5 \sin 90^\circ}{2 \cos 0^\circ}$ is :
- (1) 1 (2) -1 (3) 0 (4) 2
111. The value of $(\cos\theta - \sin\theta)^2 + (\cos\theta + \sin\theta)^2$ is :
- (1) 2 (2) -2 (3) 1 (4) 0
112. If from a point 20 m away from the foot of a tower, the angle of elevation of the top of the tower is 30° , then the height of the tower is :
- (1) $20\sqrt{3}$ m (2) $\frac{20}{\sqrt{3}}$ m (3) $10\sqrt{3}$ m (4) $\frac{10}{\sqrt{3}}$ m
113. In a mixture of 35 litres, the ratio of milk and water is 5 : 2. Another 5 litres of milk is added to the mixture. The ratio of milk and water in the new mixture is :
- (1) 3 : 1 (2) 1 : 3 (3) 2 : 3 (4) 3 : 2
114. If the radius of its circumcircle of a right angled triangle is 3 cm and altitude drawn to the hypotenuse is 2 cm, its area would be :
- (1) 12 sq. cm (2) 9 sq. cm (3) 6 sq. cm (4) 4 sq. cm

115. Three cubes each of volume 125 cm^3 are joined end to end to form a cuboid. The surface area of the resulting cuboid is :
- (1) 350 cm^2 (2) 300 cm^2 (3) 175 cm^2 (4) 150 cm^2
116. A spherical ball of diameter 21 cm is melted and recasted into cubes each of side 1cm, the number of cubes thus formed is :
- (1) 693 (2) 809 (3) 1617 (4) 4851
117. The mean of 5 numbers is 18. If one number is excluded, their mean is 16. The excluded number is :
- (1) 90 (2) 64 (3) 26 (4) 80
118. Three unbiased coins are tossed. The probability of obtaining at least two tails is :
- (1) $\frac{1}{8}$ (2) $\frac{3}{8}$ (3) $\frac{1}{2}$ (4) $\frac{1}{4}$
119. The circumcentre of a triangle whose vertices are $(-2, -3)$, $(-1, 0)$, $(7, -6)$ is :
- (1) $(3, -3)$ (2) $(3, -2)$ (3) $(-3, 2)$ (4) $(2, -2)$
120. The 6th term from the end of an Arithmetic Progression (A. P.) 17, 14, 11,....., -40 is equal to :
- (1) -21 (2) -25 (3) -22 (4) -24

128. What are 'teaser loan rates' charged by banks ?

- (1) Fixed rate of interest charged by banks
- (2) Floating rate of interest charged by banks
- (3) Rate of interest in the initial period is less and goes up subsequently
- (4) Rate of interest in the initial period is more and it goes down subsequently

129. Who amongst the following has asked Banks to adopt 'Six Steps' approach to prevent diversion of funds by the companies ?

- (1) Company Registrar (2) SEBI (3) RBI (4) AMFI

130. The only viceroy to be assassinated in India was :

- (1) Lord Hardings (2) Lord Northbrooke
(3) Lord Ellenborough (4) Lord Mayo

131. According to the Constitution of India the term 'District judge' shall not include :

- (1) Chief Presidency Magistrate (2) Session judge
(3) Tribunal judge (4) Chief judge of a small cause court

132. Despite being a Republican state, India is a member of the Common-Wealth of Nations whose Head is the British Monarch. This is because :

- (1) The membership does not affect the sovereign nature of the Indian Republic
- (2) This membership only shows that the British ruled over India
- (3) Members of the Association are sovereign and independent
- (4) It is a symbol of the unity among British dominated nations.

133. When was the New Liberalised Industrial Policy announced in India ?

- (1) 1989 (2) 1990 (3) 1991 (4) 1992

PART-B

SECTION-V (iv) : ENGLISH

Choose the most appropriate response out of the four choices given after every question. Each question carries one mark.

141. The phrase 'Hobson's choice' means :

- (1) a predetermined pick falsely offered as an option
- (2) an improbable stroke of luck
- (3) an avoidable mistake
- (4) a choice one can take from the given options

142. The phrase 'mare's nest' mean :

- (1) comfortable surroundings
- (2) a chaotic state
- (3) unattainable destination
- (4) a deceptive discovery

143. A doctor who specialises in the treatment of eyes is called :

- (1) cardiologist
- (2) neurologist
- (3) ophthalmologist
- (4) orthopaedist

144. Choose the correctly spelt word :

- (1) seudonym
- (2) sudonym
- (3) pseudonym
- (4) psudonym

145. Choose the correctly spelt word :

- (1) alliance
- (2) aliance
- (3) allianse
- (4) alianse

146. The indirect form of the sentence :

Sheela asked her son, "Where is your school bag ?"

- (1) Sheela asked her son where is your school bag.
- (2) Sheela asked her son where his school bag was.
- (3) Sheela asked her son where his school bag is.
- (4) Sheela asked her son where is his school bag.

147. The indirect form of the sentence :

Malik said, " I went to Europe last year".

- (1) Malik said that I went to Europe last year.
- (2) Malik said that he went to Europe last year.
- (3) Malik said he had gone to Europe last year.
- (4) Malik said that I had gone to Europe last year.

148. The passive voice of "I have finished my work" is :

- (1) My work is finished.
- (2) My work has been finished.
- (3) My work have finished by me.
- (4) My work has been finished by me.

149. The active voice of "Amit was punished by his teacher for not doing his home work".

- (1) Amit punished his teacher for not doing his home work.
- (2) Amit not doing his homework was punished by his teacher.
- (3) Amit's teacher punished him for not doing his homework.
- (4) His teacher punished Amit not doing his home work.

Directions : (150 - 152)

In questions 150-152, choose the most appropriate words to fill in the blanks.

150. Sarika _____ to go home next month.

- (1) have
- (2) will
- (3) had
- (4) has

151. I met my friend _____ thirty years.

- (1) since
- (2) from
- (3) after
- (4) till

152. Marco Polo _____ on his journey to China with his uncle.

- (1) set off
- (2) set back
- (3) set by
- (4) set about

153. In which of the following plays of Shakespeare Portia was the heroine ?

- (1) Hamlet
- (2) King Lear
- (3) The Merchant of Venice
- (4) Othello

154. Who wrote the poem 'Rime of the Ancient Mariner' ?

- (1) Keats
- (2) Coleridge
- (3) Wordsworth
- (4) Shelley

155. Who wrote the novel 'Far from the Madding Crowd' ?

- (1) Thomas Hardy
- (2) George Eliot
- (3) Emily Bronte
- (4) Jane Austen

156. Who wrote the play 'Man and Superman' ?

- (1) Samuel Beckett
- (2) George Bernard Shaw
- (3) Eugene O'Neil
- (4) Shakespeare

157. In which novel of Charles Dickens is Peggotty a character ?

- (1) Oliver Twist
- (2) David Copperfield
- (3) Great expectations
- (4) A tale of two cities

158. Which of the following is not a poet of the Romantic Age ?

- (1) Keats
- (2) Shelly
- (3) Browning
- (4) Wordsworth

159. In the sentence, If it rains on Wednesday, the match will be cancelled. - **If it rains** is a :

- (1) Noun clause
- (2) Adjective clause
- (3) Adverb clause
- (4) Conditional clause

160. In the sentence 'He is the boy who has come from Nepal'. - **who has come from Nepal** is a :

- (1) Noun clause
- (2) Adjective clause
- (3) Adverb clause
- (4) none of the above