

132. With reference to the evolution of living organism, which one of the following sequence is correct :

- (a) Octopus—Dolphin—Shark
- (b) Pangolin—Tortoise—Hawk
- (c) Salamander—Python—Kangaroo
- (d) Frog—Crab—Prawn

133. Convergent evolution is illustrated by :

- (a) Rat and dog
- (b) Bacterium and protozoa
- (c) Star fish and cuttle fish
- (d) Dog fish and whales

134. Homo sapien directly evolved from :

- (a) Perking man
- (b) Java man
- (c) Neanderthal
- (d) Australopithecus

135. The early stage of human embryo distinctly Possesses :

- (a) Gill
- (b) Gill slits
- (c) External ear
- (d) Eyehrous

Ecology

136. Which one of the following is abiotic component of ecosystem :

- (a) Bacteria
- (b) Chlorella
- (c) Water
- (d) Human

137. Autecology mean :

- (a) Effect of soil on plant
- (b) Effect of temperature on plant
- (c) Effect of transpiration plant
- (d) Relationship of species with their environment

138. Term ecosystem is first given by :

- (a) Reiter
- (b) Aristotal
- (c) Tansley
- (d) Haeckel

139. The ratio of forest area needed for ecological balance in India :

- (a) 11.1%
- (b) 22.2%
- (c) 33.3%
- (d) 44.4%

140. Reduced leaves and sunken stomata are the main feature of :

- (a) Epiphytes
- (b) Hydrophytes
- (c) Xerophytes
- (d) Mesophytes

141. Epiphytes are found in those places where :

- (a) Temperature is very low
- (b) Concentration of oxygen is high
- (c) Rain fall occur all over year
- (d) Rain fall occur according to season

142. We get solar energy from :

- (a) Moon
- (b) Sea
- (c) Sun
- (d) Air

143. In a ecosystem the largest number is that of :

- (a) Primary producer
- (b) Primary consumer
- (c) Secondary consumer
- (d) Decomposer

144. Hydrophytes are :

- (a) Animal found in sea
- (b) Aquatic plant
- (c) A plant disease
- (d) A root less plant

145. Soil erosion can be controled by :

- (a) By grazing more and more
- (b) By removal of plant
- (c) By afforestation
- (d) By increased population

146. Main component of Mangroove plants is :

- (a) Rhizophora
- (b) Ficus
- (c) Managifera
- (d) Procepus

147. Abiotic component of our environment :

- (a) Plants
- (b) Animal
- (c) Both (a) and (b)
- (d) Air

148. Path of energy flow in an ecosystem is :

- (a) Herbivores → Producers → Carnivores → Decomposer
- (b) Herbivores → Carnivoures → Producers → Decomposer
- (c) Producer → Carnivores → Herbivores → Decomposer
- (d) Producer → Herbivores → Carnivores → Decomposer

149. The Himalayan Range is very rich in species diversity. Which one among the following is the most appropriate reason for this phenomenon?

- (a) It has a high rainfall that supports luxuriant vergtative growth
- (b) It is a confluence of different biogeographical bones
- (c) Exotic and invasive species have been introduced in this region
- (d) It has less human interference

150. Eco-mark is given to an Indian product which is :

- (a) Rich in protein
- (b) Environment friendly
- (c) Economically viable
- (d) Pure and unadulterated

151. Study of inter-relationships between an entire community and its environment is :

- (a) Autecology

- (b) Resource ecology
- (c) Species ecology
- (d) Synecology

152. An artificial ecosystem is represented by :

- (a) Pisciculture tank
- (b) Agricultural land
- (c) Zoo
- (d) Aquarium

153. Pyramid of energy in a ecosytem is :

- (a) Always inverted
- (b) Always upright
- (c) Spindle shape
- (d) Both upright and inverted depending upon ecosystem

154. Crop sown soon after the onset of south-west monsoon in India is called :

- (a) Rabi
- (b) Kharif
- (c) Rainfed
- (d) Dry farming

155. Energy transfer from organism to organism in a natural community develops :

- (a) Biological control
- (b) Food chain
- (c) Food web
- (d) Pyramid of energy

Pollution

156. Major aerosol pollutant in jet plane emission is :

- (a) Sulphurdioxide
- (b) Carbonmonoxide
- (c) Methane
- (d) Fluorocarbon

157. DDT is :

- (a) Green house gas
- (b) Degradable pollutant
- (c) Nondegradable pollutant
- (d) None of these

158. World environment day is :

- (a) 28th Feb
- (b) 5th June
- (c) 7th June
- (d) 10 April

159. Which of the following is chief air pollutant ?

- (a) CO
- (b) CO₂
- (c) N₂
- (d) S

160. Atmosphere of big metropolition cities is polluted most by :

- (a) Automobil exhausts
- (b) Pesticide residue
- (c) Household waste
- (d) Radio active fall out

Scientist : Their Contribution in Biology

161. Biological who proposed the theory of Germplasm :

- (a) Weisman
- (b) J.C. Bose
- (c) Bateson
- (d) Lederberg

162. Fistr Calf clone is created by :
 (a) Mc clintock (b) Ian Wilmut
 (c) Stanley (d) Monod
163. Scientist who first explain about circulatory system :
 (a) Lewenhook
 (b) Willum Harvey
 (c) Mendal (d) Ronal ross
164. Which of the following is not correctly matched ?
 (a) Joeseph Lister—Treatment of Leprosy
 (b) Joeseph E. Salc—Vaccination of Polio
 (c) Alexender Fleming—Discovered Pencillin
 (d) Edward Jenner—Vaccination of small pox
165. Father of anatomy :
 (a) Aristotle (b) Andreas vesalius
 (c) Theophrastus (d) None of these
166. The term biotechnolgy was coined by :
 (a) Chohen & Boyer
 (b) Nathan & Smith
 (c) Karl Ereky
 (d) Willam Hays
167. The term histology was first used by :
 (a) Schileden (b) Mayer
 (c) Robbert Hook (d) Maman

168. The term antibiotic was first of all used by :
 (a) Waksman (b) Fank
 (c) Flemming (d) Jenner
169. Blood Group is discovered by :
 (a) Landstiner (b) Robert Koch
 (c) Willum Harvy (d) Loius Pasture
170. Who discover vaccination for Rabies :
 (a) Jenner (b) Pasture
 (c) Darwin (d) Lister

Biodiversity and Wild Life

171. Logo of WWF-N is :
 (a) Red Panda (b) Giant Panda
 (c) Polar bear (d) Tiger
172. Hot spots of biodiversity are area with :
 (a) Little biodiversity
 (b) Maximum biodiversity
 (c) Maximum conservation
 (d) Both (a) and (c)
173. If at high attitudes, birds became rare, plants likely to disappear are :
 (a) Pine (b) Orchids
 (c) Oak (d) Rhodo dendrons
174. The percentage of land area covered under forest according to Indian Forest policy is :
 (a) 43% (b) 23%
 (c) 33% (d) 13%

175. Which one of the following is the first national park established in India :
 (a) Bandipur (b) Corbert
 (c) Velavadar (d) Periyar

Biotechnology

176. Distribution of clean and quality milk throughout the world has been made possible through work of :
 (a) Leeuwenhook (b) Koch
 (c) Pasteur (d) Blackman
177. The southern blot technique is used for the detection of :
 (a) DNA (b) RNA
 (c) Portein (d) None
178. Genetic engineering means :
 (a) Meotic division of cells
 (b) Nucleotide transfer
 (c) Delation and repair mechanism
 (d) None of the above
179. The northm blot technique is used for the detection of :
 (a) r RNA (b) m RNA
 (c) t RNA (d) RNA
180. Genetically engineered human insulin is manufactured by the use of :
 (a) *E-coli* (b) Rhizopus
 (c) *Pseudomonas* (d) *Ashbya gosspii*

□ ANSWERS

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|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1. (c) | 2. (a) | 3. (a) | 4. (d) | 5. (c) | 6. (c) | 7. (a) | 8. (a) | 9. (c) | 10. (a) |
| 11. (c) | 12. (c) | 13. (c) | 14. (d) | 15. (b) | 16. (c) | 17. (b) | 18. (c) | 19. (a) | 20. (d) |
| 21. (b) | 22. (c) | 23. (c) | 24. (a) | 25. (b) | 26. (c) | 27. (c) | 28. (b) | 29. (b) | 30. (a) |
| 31. (d) | 32. (a) | 33. (b) | 34. (b) | 35. (b) | 36. (b) | 37. (b) | 38. (c) | 39. (d) | 40. (d) |
| 41. (b) | 42. (c) | 43. (c) | 44. (d) | 45. (c) | 46. (c) | 47. (a) | 48. (b) | 49. (d) | 50. (c) |
| 51. (a) | 52. (a) | 53. (c) | 54. (c) | 55. (c) | 56. (b) | 57. (d) | 58. (b) | 59. (d) | 60. (d) |
| 61. (a) | 62. (d) | 63. (a) | 64. (b) | 65. (c) | 66. (c) | 67. (c) | 68. (c) | 69. (d) | 70. (c) |
| 71. (a) | 72. (c) | 73. (a) | 74. (a) | 75. (d) | 76. (a) | 77. (b) | 78. (b) | 79. (b) | 80. (d) |
| 81. (c) | 82. (c) | 83. (a) | 84. (b) | 85. (a) | 86. (b) | 87. (b) | 88. (d) | 89. (c) | 90. (d) |
| 91. (a) | 92. (a) | 93. (b) | 94. (c) | 95. (b) | 96. (b) | 97. (d) | 98. (a) | 99. (d) | 100. (d) |
| 101. (d) | 102. (c) | 103. (d) | 104. (a) | 105. (c) | 106. (d) | 107. (a) | 108. (a) | 109. (b) | 110. (b) |
| 111. (a) | 112. (c) | 113. (c) | 114. (c) | 115. (c) | 116. (c) | 117. (b) | 118. (a) | 119. (b) | 120. (b) |
| 121. (a) | 122. (b) | 123. (d) | 124. (a) | 125. (b) | 126. (a) | 127. (c) | 128. (c) | 129. (a) | 130. (c) |
| 131. (a) | 132. (c) | 133. (d) | 134. (a) | 135. (b) | 136. (c) | 137. (d) | 138. (c) | 139. (c) | 140. (c) |
| 141. (c) | 142. (c) | 143. (a) | 144. (b) | 145. (c) | 146. (a) | 147. (d) | 148. (d) | 149. (b) | 150. (b) |
| 151. (d) | 152. (d) | 153. (d) | 154. (b) | 155. (c) | 156. (d) | 157. (c) | 158. (b) | 159. (a) | 160. (a) |
| 161. (a) | 162. (b) | 163. (b) | 164. (a) | 165. (b) | 166. (c) | 167. (b) | 168. (a) | 169. (a) | 170. (b) |
| 171. (a) | 172. (b) | 173. (d) | 174. (c) | 175. (b) | 176. (c) | 177. (a) | 178. (c) | 179. (d) | 180. (a) |