

**136. In the case of suspected filarial patients, blood samples are collected during night time because the**

- 1) patients do not feel much pain
- 2) filarial worms enter into blood from lymph during night time
- 3) microfilariae exhibit nocturnal periodicity
- 4) adult worms are active in blood circulation during night time

**137. The drug cocaine produces a sense of euphoria and increased energy levels as it**

- 1)acts as amphetamine
- 2)stimulates adrenal glands to produce steroids
- 3)causes the inhibition of cholinergic nerves
- 4)interferes with the transport of dopamine

**138. Which of the following is not a symptom of chronic malaria?**

- 1)Splénomegaly
- 2)Hypertrophy of RBC
- 3)Cirrhosis of liver
- 4)Anaemia

**139. In cockroach, the structures that help in locomotion on smooth surface are**

- 1)claws and arolium
- 2)pulvillus and bristles of podomeres
- 3)plantulae on tarsus
- 4)plantulae, claws

**140. Incorrect statement about the mushroom shaped gland of *Periplaneta americana* from the following**

- 1)Helps in storage and excretion of uric acid
- 2)Secretes the innermost layer of spermatophore
- 3)Stores the sperms in the form of spermatophores
- 4)Nourishes the sperms

**141. In a biological community Gause's principle explains**

- 1)competition among different species under unlimited resources
- 2)competitive exclusion of an inferior species due to the limited natural resources
- 3)coexistence of closely related species due to resource partitioning
- 4)intra specific competition due to limited natural resources

**142. In India, grassland ecosystems are found mainly in**

- 1)Ladakh region
- 2)Himalayan region
- 3)Deccan plateau
- 4)Western ghats

**ROUGH**

143. The influence of light on non-directional movement of animals is known as

- 1)phototaxis                      2)photoperiodism                      3)photokinesis                      4)phototropism

144. According to the study of molecular systematics, the kingdom replaced by the two kingdoms bacteria and archebacteria is

- 1)Fungi                      2)Protista                      3)Monera                      4)Metaphyta

145. Identify the correct match from the following

- 1)Earth summit-Johannesburg, South Africa  
 2)Biosphere reserves-Norman Myers  
 3)Jim Corbett National park-first Indian national park in Gujarat  
 4)Cryopreservation-ex-situ conservation

146. In humans mucous connective tissue is present mainly in the

- 1)mucosa lining of gut                      2)lining of alveoli of lungs  
 3)umbilical chord of newly born infants  
 4)walls of trachea, bronchi and bronchioles

147. Cardiac muscles are highly resistant to fatigue mainly due to the presence of

- 1)intercalated discs    2)branched muscle fibres and communication junctions  
 3)specialised autorhythmic muscle fibres  
 4)numerous sarcosomes and myoglobin molecules

148. Identify the correct combination from the following

<u>Scientific name</u>	<u>Respiratory organs</u>	<u>Excretory organs</u>
1) <i>Astacus</i>	Dermal branchiae	Green glands
2) <i>Aplysia</i>	Ctenidia	Meta nephridia
3) <i>Aphrodite</i>	Parapodia	Protonephridia
4) <i>Ascidian</i>	Pharyngeal gill slits	Proboscis gland

149. Echinoderm with elongated body and without arms,spines is

- 1)*Gorgonocephalus*    2)*Thyone*                      3)*Clypeaster*                      4)*Antedon*

150. Incorrect statement about "great white shark" from the following

- 1)Sharks exhibit physiological uraemia  
 2)They have placoid scales and heteroceracal caudal fin  
 3)Fertilization internal and viviparous in nature  
 4)Lobe finned fishes with air bladder acting as hydrostatic organ

**ROUGH**

**151. Identify the correct match from the following**

- 1) *Gavialis*-Vascular cloacal wall                      2) *Corvus*-Urinary bladder present  
 3) *Cervus*-Intra abdominal testes                      4) *Trichechus*-Six cervical vertebrae

**152. Identify the uricotelic animal from the following**

- 1) Land leech                      2) Land snail                      3) Desert fox                      4) Camel

**153. Incorrect match from the following**

- 1) Paneth cells-lysozyme                      2) Schwann cells-myelin sheath  
 3) Dendritic cells-afferent neurons                      4) Mast cells-inflammation

**154. Which of the following is an exotic carp?**

- 1) Tunas                      2) Common carp                      3) Cat fish                      4) Oil sardine

**155. Follicular hyperkeratosis is a/an**

- 1) sex influenced trait                      2) holandric character  
 3) sexlinked dominant trait                      4) autosomal recessive character

**156. Amniocentesis test is developed mainly to**

- 1) confirm the pregnancy                      2) determine the sex of the foetus  
 3) detect the chromosomal abnormalities                      4) find out the correct position of foetus

**157. Which of the following disorder is not caused by trisomy(2n+1) in human beings?**

- 1) Down syndrome                      2) Turner's syndrome  
 3) Kline felter syndrome                      4) Patau syndrome

**158. In a family, blood groups of children are entirely different from that of parents only if the blood groups of the parents are**

- 1) A and B                      2) AB and AB                      3) AB and O                      4) O and A or B

**159. Correct match from the following**

- 1) Mutation theory-Bateson                      2) Survival of the fittest-Herbert Spencer  
 3) Principles of geology-Alfred Wallace                      4) Biochemical recapitulation -Ernst Haeckel

**160. The first human like being frugivorous in habit and hunted with sharp stony objects was named**

- 1) *Australopithecus*                      2) *Homo neanderthalensis*  
 3) *Homo habilis*                      4) *Homo erectus*

**ROUGH**



**171. Which of the following hormones are not antagonistic to each other in their actions?**

- |                               |  |
|-------------------------------|--|
| 1)Parathormone and calcitonin | 2)Somatocrinin and somatostatin              |
| 3)Cortisol and Catecholamines | 4)Aldosterone and atrial natriuretic peptide |

**172. Prostaglandins are derivatives of**

- |              |            |                 |               |
|--------------|------------|-----------------|---------------|
| 1)tryptophan | 2)tyrosine | 3)glycoproteins | 4)eicosanoids |
|--------------|------------|-----------------|---------------|

**173. The vestibular apparatus concerned with body equilibrium is constituted by**

- |                         |   |
|-------------------------|---|
| 1)saccule and utricle   | 2)ampullae and cristae                  |
| 3)maculae and vestibule | 4)semicircular canals and otolith organ |

**174. Inter ventricular foramina are connecting the**

- |                                   |                                      |
|-----------------------------------|--------------------------------------|
| 1)atria and ventricles in heart   | 2)paracoels and diocoel in brain     |
| 3)3rd and 4th ventricles of brain | 4)right and left ventricles of heart |

**175. Joint between two adjacent vertebrae of mammals is an example of**

- |                              |                                 |
|------------------------------|---------------------------------|
| 1)symphysis and synarthrosis | 2)synchondrosis and syndesmosis |
| 3)diarthrose and syndesmosis | 4)symphysis and amphiarthrosis  |

**176. Hensen's disc is**

- |  |   |
|--|---|
| 1)part of primitive streak   | 2)part of sarcomere made of only myosin |
| 3)primitive knot through which chordamesodermal cells involute to form notochord |   |
| 4)bilaminar embryonic disc with epiblast and hypoblast                           |   |

**177. Autoimmune disease from the following**

- |                        |                   |
|------------------------|-------------------|
| 1)Glomerulo nephritis  | 2)Osteo arthritis |
| 3)Rheumatoid arthritis | 4)Meningitis      |

**178. In the conduction of nerve impulse, relative refractory period coincides with the phase of**

- |                  |                  |                     |                |
|------------------|------------------|---------------------|----------------|
| 1)depolarisation | 2)repolarisation | 3)hyperpolarisation | 4)polarisation |
|------------------|------------------|---------------------|----------------|

**179. In kidneys, renal columns are made of**

- |                 |                      |
|-----------------|----------------------|
| 1)renal calyces | 2)medullary pyramids |
| 3)renal cortex  | 4)renal papillae     |

**180. In the process of urine formation, selective reabsorption is minimum in this part of nephron**

- |                              |                            |
|------------------------------|----------------------------|
| 1)Proximal convoluted tubule | 2)Distal convoluted tubule |
| 3)Henle's loop               | 4)Collecting duct          |

**ROUGH**