

**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

**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**

**Scientific name                      Respiratory organs                      Excretory organs**

- |                     |                       |                 |
|---------------------|-----------------------|-----------------|
| 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**

**161. Incorrect match from the following**

- |                            |                     |
|----------------------------|---------------------|
| 1)MRI-aneurysm             | 2)EEG-epilepsy      |
| 3)PSA test-cervical cancer | 4)PCR-HIV detection |

**162. The technique of attenuating or weakening of a microbe was developed by**

- |                 |                     |                 |              |
|-----------------|---------------------|-----------------|--------------|
| 1)Edward Jenner | 2)Alexander Fleming | 3)Louis Pasteur | 4)Jonas Salk |
|-----------------|---------------------|-----------------|--------------|

**163. Ampulla of vater is formed by the union of**

- |   |  |
|---|--|
| 1)common hepatic duct and pancreatic duct | 2)common bile duct and pancreatic duct       |
| 3)cystic duct and common hepatic duct     | 4)infundibulum and isthmus of fallopian tube |

**164. Adenoids are present in**

- |                    |                  |
|--------------------|------------------|
| 1)nasopharynx      | 2)oropharynx     |
| 3)below the tongue | 4)laryngopharynx |

**165. In human development, most of the organ systems are developed by the end of**

- |               |            |                   |           |
|---------------|------------|-------------------|-----------|
| 1)first month | 2)24 weeks | 3)first trimester | 4)8 weeks |
|---------------|------------|-------------------|-----------|

**166. The cells that provide nutrition to developing spermatozoa in testes are called**

- |                 |                |                 |                 |
|-----------------|----------------|-----------------|-----------------|
| 1)Kupffer cells | 2)Leydig cells | 3)Sertoli cells | 4)Oxyntic cells |
|-----------------|----------------|-----------------|-----------------|

**167. Rima glottidis is the narrow space between the**

- |   |                                     |
|---|-------------------------------------|
| 1>true vocal folds and false vocal cords          | 2>true vocal cords and arytenoids   |
| 3)corniculate cartilages and cuneiform cartilages | 4)arytenoids and thyroid cartilages |

**168. Pneumoconiosis is caused by the**

- 1)bacterium *Streptococcus pneumoniae*
- 2)inhalation of coal dust and sulphur particles
- 3)release of vasodilator substances due to allergens
- 4)deposition of iron particles in alveoli of lungs

**169. The specialised myocytes present in inner ventricular walls of heart beneath endocardium are called**

- |                   |                     |                   |                    |
|-------------------|---------------------|-------------------|--------------------|
| 1)Chorde tendinae | 2)Papillary muscles | 3)Purkinje fibres | 4)Columnae carneae |
|-------------------|---------------------|-------------------|--------------------|

**170. In human heart, the non functional valve in the right atrium is present at the opening of**

- |                     |                                   |
|---------------------|-----------------------------------|
| 1)coronary sinus    | 2)superior venacava               |
| 3)inferior venacava | 4)right atrioventricular aperture |

***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)sacculle 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***