

**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*