

## **Quiz: Zoology Set 4**

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**Q151: Which phylum shows absence of respiratory organs and exchange of gases through body surface?**

- A) Annelida
- B) Platyhelminthes
- C) Arthropoda
- D) Mollusca

**Q152: Which cells secrete hydrochloric acid in stomach?**

- A) Chief cells
- B) Parietal cells
- C) Mucous cells
- D) G cells

**Q153: Which factor shifts oxyhaemoglobin dissociation curve to the right?**

- A) Decrease in CO<sub>2</sub>
- B) Increase in pH
- C) Decrease in temperature
- D) Increase in CO<sub>2</sub>

**Q154: Which valve prevents backflow of blood from left ventricle to left atrium?**

- A) Tricuspid valve
- B) Bicuspid valve
- C) Semilunar valve
- D) Pulmonary valve

**Q155: Which substance is selectively reabsorbed completely in proximal convoluted tubule?**

- A) Urea
- B) Glucose
- C) Creatinine
- D) Uric acid

**Q156: Which protein is responsible for muscle contraction?**

- A) Keratin
- B) Actin and myosin
- C) Collagen
- D) Elastin

**Q157: Which part of brain coordinates muscular activities and posture?**

- A) Cerebrum
- B) Cerebellum
- C) Medulla
- D) Hypothalamus

**Q158: Which hormone inhibits secretion of growth hormone?**

- A) Somatostatin
- B) GHRH
- C) Thyroxine
- D) Prolactin

**Q159: Which organism shows isogamy?**

- A) Chlamydomonas
- B) Human
- C) Frog
- D) Earthworm

**Q160: Which hormone prepares endometrium for implantation?**

- A) Estrogen
- B) Progesterone
- C) FSH
- D) LH

**Q161: Which method is used for early detection of foetal abnormalities?**

- A) IVF
- B) Amniocentesis
- C) GIFT
- D) ZIFT

**Q162: Which inheritance pattern shows both alleles expressed equally?**

- A) Incomplete dominance
- B) Codominance
- C) Polygenic inheritance
- D) Epistasis

**Q163: Which enzyme synthesises DNA from RNA template?**

- A) DNA polymerase
- B) RNA polymerase
- C) Reverse transcriptase
- D) Ligase

**Q164: Which hominid used fire?**

- A) Australopithecus
- B) Homo habilis
- C) Homo erectus
- D) Homo sapiens

**Q165: Which type of immunity is provided to foetus by mother?**

- A) Natural active
- B) Natural passive
- C) Artificial active
- D) Artificial passive

**Q166: Which microbe is used in production of cheese?**

- A) Lactobacillus
- B) Penicillium roqueforti
- C) Rhizobium
- D) Yeast

**Q167: Which vector is commonly used for cloning in E.coli?**

- A) Plasmid pBR322
- B) Cosmid
- C) BAC
- D) YAC

**Q168: Which population parameter measures number of individuals added per unit time?**

- A) Mortality
- B) Natality
- C) Density
- D) Dispersion

**Q169: Which biome shows seasonal rainfall and tall grasses?**

- A) Desert
- B) Savanna
- C) Tundra
- D) Taiga

**Q170: Which conservation method involves seed banks?**

- A) In situ
- B) Ex situ
- C) Biosphere reserve
- D) National park

**Q171: Which gland regulates circadian rhythm?**

- A) Pituitary
- B) Thyroid
- C) Pineal
- D) Adrenal

**Q172: Which reflex maintains posture and balance?**

- A) Stretch reflex
- B) Righting reflex
- C) Withdrawal reflex
- D) Salivary reflex

**Q173: Which membrane contributes to formation of placenta?**

- A) Amnion
- B) Chorion
- C) Allantois
- D) Yolk sac

**Q174: Which inheritance shows intermediate phenotype in heterozygote?**

- A) Codominance
- B) Incomplete dominance
- C) Pleiotropy
- D) Epistasis

**Q175: Which RNA is involved in splicing?**

- A) mRNA
- B) tRNA
- C) snRNA
- D) rRNA

**Q176: Which type of evolution leads to analogous organs?**

- A) Divergent evolution
- B) Convergent evolution
- C) Adaptive radiation
- D) Speciation

**Q177: Which disease is transmitted by tsetse fly?**

- A) Malaria
- B) Kala azar
- C) Sleeping sickness
- D) Dengue

**Q178: Which microbe is used for production of antibiotics tetracycline?**

- A) Streptomyces
- B) Penicillium
- C) Aspergillus
- D) Rhizobium

**Q179: Which step introduces recombinant DNA into host cell?**

- A) Ligation
- B) Transformation
- C) Restriction digestion
- D) PCR

**Q180: Which population interaction benefits one species and is neutral to other?**

- A) Mutualism
- B) Parasitism
- C) Commensalism
- D) Predation

**Q181: Which nutrient cycle lacks gaseous phase?**

- A) Carbon cycle
- B) Nitrogen cycle
- C) Phosphorus cycle
- D) Sulphur cycle

**Q182: Which Indian project is associated with tiger conservation?**

- A) Project Elephant
- B) Project Tiger
- C) Chipko movement
- D) Silent Valley project

**Q183: Which bone forms shoulder girdle?**

- A) Clavicle
- B) Humerus
- C) Femur
- D) Radius

**Q184: Which hormone causes milk ejection?**

- A) Prolactin
- B) Oxytocin
- C) FSH
- D) LH

**Q185: Which structure is formed from remnants of corpus luteum?**

- A) Graafian follicle
- B) Corpus albicans
- C) Zona pellucida
- D) Theca

**Q186: Which disorder is due to point mutation?**

- A) Cystic fibrosis
- B) Sickle cell anaemia
- C) Down syndrome
- D) Turner syndrome

**Q187: Which virus causes hepatitis B?**

- A) DNA virus
- B) RNA virus
- C) Retrovirus
- D) Viroid

**Q188: Which microbe is used as biofertiliser?**

- A) Rhizobium
- B) Penicillium
- C) Yeast
- D) Plasmodium

**Q189: Which vector can carry large DNA fragments?**

- A) Plasmid
- B) BAC
- C) Phage lambda
- D) pBR322

**Q190: Which population growth stabilises at carrying capacity?**

- A) Exponential growth
- B) Logistic growth
- C) Geometric growth
- D) Linear growth

**Q191: Which biome has permanently frozen subsoil?**

- A) Taiga
- B) Savanna
- C) Tundra
- D) Desert

**Q192: Which conservation strategy protects large landscapes?**

- A) Zoo
- B) Botanical garden
- C) Biosphere reserve
- D) Seed bank

**Q193: Which hormone controls diurnal rhythm?**

- A) Melatonin
- B) Thyroxine
- C) Insulin
- D) Cortisol

**Q194: Which part of brain controls breathing rhythm?**

- A) Cerebellum
- B) Medulla oblongata
- C) Cerebrum
- D) Hypothalamus

**Q195: Which extra embryonic membrane stores nitrogenous waste in birds?**

- A) Amnion
- B) Chorion
- C) Allantois
- D) Yolk sac

**Q196: Which inheritance involves interaction of two non allelic genes?**

- A) Pleiotropy
- B) Epistasis
- C) Codominance
- D) Polygenic inheritance

**Q197: Which RNA is smallest in size?**

- A) mRNA
- B) tRNA
- C) rRNA
- D) hnRNA

**Q198: Which phenomenon explains sudden appearance of new species?**

- A) Natural selection
- B) Mutation
- C) Genetic drift
- D) Adaptive radiation

**Q199: Which disease is caused by *Entamoeba histolytica*?**

- A) Typhoid
- B) Amoebiasis
- C) Cholera
- D) Malaria

**Q200: Which environmental issue results from increase in greenhouse gases?**

- A) Acid rain
- B) Global warming
- C) Ozone depletion
- D) Eutrophication