

Quiz: Zoology Set 4

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 CO₂
- B) Increase in pH
- C) Decrease in temperature
- D) Increase in CO₂

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