

Quiz: Zoology Set 5

Q201: Which phylum shows true metamerism and closed circulatory system?

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

Q202: Which enzyme activates pepsinogen in stomach?

- A) Trypsin
- B) HCl
- C) Renin
- D) Amylase

Q203: Which factor decreases affinity of haemoglobin for oxygen?

- A) Decrease in CO₂
- B) Decrease in temperature
- C) Increase in pH
- D) Increase in H⁺ concentration

Q204: Which blood component transports oxygen?

- A) Plasma
- B) Platelets
- C) RBCs
- D) WBCs

Q205: Which hormone increases water reabsorption in kidney?

- A) Aldosterone
- B) ANF
- C) ADH
- D) Renin

Q206: Which muscle type is non striated and involuntary?

- A) Skeletal
- B) Cardiac
- C) Smooth
- D) Striated voluntary

Q207: Which part of brain regulates body temperature?

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

Q208: Which hormone promotes growth of mammary glands during pregnancy?

- A) Prolactin
- B) Oxytocin
- C) Estrogen

D) LH

Q209: Which type of gametes are produced in anisogamy?

- A) Similar size gametes
- B) Motile and non motile gametes
- C) Dissimilar size gametes
- D) Only non motile gametes

Q210: Which hormone maintains corpus luteum during early pregnancy?

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

Q211: Which prenatal diagnostic technique involves analysis of foetal cells from amniotic fluid?

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

Q212: Which inheritance shows more than two alleles?

- A) Incomplete dominance
- B) Codominance
- C) Multiple alleles
- D) Polygenic inheritance

Q213: Which enzyme removes RNA primer during DNA replication in prokaryotes?

- A) DNA polymerase III
- B) DNA polymerase I
- C) Ligase
- D) Helicase

Q214: Which base is absent in DNA but present in RNA?

- A) Adenine
- B) Thymine
- C) Cytosine
- D) Uracil

Q215: Which hominid had brain capacity around 650 to 800 cc?

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

Q216: Which immunity is produced after recovery from disease?

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

Q217: Which microbe is used in production of single cell protein?

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

Q218: Which enzyme is used to join DNA fragments in recombinant DNA technology?

- A) Restriction endonuclease
- B) DNA ligase
- C) DNA polymerase
- D) RNA polymerase

Q219: Which population interaction is represented by cattle egret and grazing cattle?

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

Q220: Which ecological pyramid can be inverted?

- A) Energy pyramid
- B) Biomass pyramid
- C) Number pyramid
- D) Both biomass and number

Q221: Which biodiversity hotspot includes Eastern Himalayas?

- A) Western Ghats
- B) Indo Burma
- C) Madagascar
- D) Sundaland

Q222: Which tissue connects muscle to bone?

- A) Ligament
- B) Tendon
- C) Cartilage
- D) Areolar tissue

Q223: Which hormone is secreted by posterior pituitary?

- A) GH
- B) TSH
- C) Oxytocin
- D) ACTH

Q224: Which part of oviduct receives ovum after ovulation?

- A) Isthmus
- B) Infundibulum
- C) Ampulla
- D) Uterus

Q225: Which chromosomal disorder is represented as XXY?

- A) Turner syndrome
- B) Down syndrome
- C) Klinefelter syndrome
- D) Edward syndrome

Q226: Which RNA undergoes capping and tailing?

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

Q227: Which evolutionary force produces homologous structures?

- A) Convergent evolution
- B) Divergent evolution
- C) Mutation
- D) Genetic drift

Q228: Which disease is transmitted by Aedes mosquito?

- A) Malaria
- B) Dengue
- C) Filariasis
- D) Kala azar

Q229: Which microbe is used for production of statins?

- A) Aspergillus
- B) Penicillium
- C) Monascus purpureus
- D) Rhizobium

Q230: Which vector is used in cloning large genes in plants?

- A) Plasmid
- B) BAC
- C) Ti plasmid
- D) Phage lambda

Q231: Which population parameter indicates number of deaths per unit time?

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

Q232: Which biome shows highest species diversity?

- A) Desert
- B) Temperate forest
- C) Tropical rainforest
- D) Taiga

Q233: Which conservation method involves cryopreservation?

- A) In situ
- B) Ex situ
- C) Sacred groves
- D) National park

Q234: Which hormone regulates sleep wake cycle?

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

Q235: Which part of brain controls hunger and thirst?

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

Q236: Which extra embryonic membrane is associated with nutrition in birds?

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

Q237: Which inheritance involves many genes controlling a trait?

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

Q238: Which RNA is largest in size?

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

Q239: Which concept explains origin of new species due to geographic isolation?

- A) Sympatric speciation
- B) Allopatric speciation
- C) Adaptive radiation
- D) Convergent evolution

Q240: Which disease is caused by Trypanosoma?

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

Q241: Which microbe is used for production of lactic acid?

- A) Yeast
- B) Lactobacillus
- C) Aspergillus
- D) Penicillium

Q242: Which step in genetic engineering involves insertion of gene into vector?

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

Q243: Which population interaction benefits both interacting species?

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

Q244: Which nutrient cycle is sedimentary?

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

Q245: Which Indian conservation project is related to elephant?

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

Q246: Which bone is longest in human body?

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

Q247: Which hormone stimulates milk production?

- A) Oxytocin
- B) Estrogen
- C) Prolactin
- D) Progesterone

Q248: Which structure prevents polyspermy in humans?

- A) Zona pellucida
- B) Acrosome
- C) Corona radiata
- D) Vitelline membrane

Q249: Which disorder is due to deletion of short arm of chromosome 5?

- A) Down syndrome
- B) Cri du chat syndrome
- C) Turner syndrome
- D) Klinefelter syndrome

Q250: Which environmental issue is caused by detergents entering water bodies?

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