

Quiz: Zoology Set 10

Q451: Which phylum shows bilateral symmetry, triploblastic organisation and acoelomate condition?

- A) Cnidaria
- B) Platyhelminthes
- C) Annelida
- D) Nematoda

Q452: Which epithelial tissue lines the inner surface of blood vessels?

- A) Cuboidal epithelium
- B) Stratified epithelium
- C) Simple squamous epithelium
- D) Ciliated epithelium

Q453: Which enzyme converts sucrose into glucose and fructose?

- A) Maltase
- B) Lactase
- C) Sucrase
- D) Amylase

Q454: Which respiratory pigment is found in arthropods like crabs?

- A) Haemoglobin
- B) Chlorocruorin
- C) Haemocyanin
- D) Myoglobin

Q455: Which blood group lacks Rh antigen?

- A) Rh positive
- B) Rh negative
- C) AB positive
- D) O positive

Q456: Which hormone increases sodium reabsorption in kidney tubules?

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

Q457: Which connective tissue has fibres arranged in bundles and attaches muscle to bone?

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

Q458: Which part of brain regulates sexual behaviour and emotions?

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

Q459: Which hormone stimulates growth and development of male accessory sex organs?

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

Q460: Which organism reproduces by sporulation?

- A) Amoeba
- B) Hydra
- C) Rhizopus
- D) Planaria

Q461: Which hormone is secreted by placenta to maintain corpus luteum?

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

Q462: Which ART involves transfer of zygote into fallopian tube?

- A) IVF-ET
- B) GIFT
- C) ZIFT
- D) ICSI

Q463: Which inheritance pattern involves three alleles of a gene?

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

Q464: Which enzyme removes RNA primers during DNA replication?

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

Q465: Which base is absent in RNA?

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

Q466: Which hominid is known for use of fire?

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

Q467: Which immunity is acquired through breast milk?

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

Q468: Which microbe is used for production of single cell protein?

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

Q469: Which enzyme is responsible for sealing Okazaki fragments?

- A) Helicase
- B) Primase
- C) DNA ligase
- D) DNA polymerase III

Q470: Which population interaction benefits one species and harms the other?

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

Q471: Which ecological pyramid can never be inverted?

- A) Pyramid of number
- B) Pyramid of biomass
- C) Pyramid of energy
- D) All pyramids

Q472: Which region of Earth shows highest biodiversity?

- A) Temperate zone
- B) Polar zone
- C) Tropical zone
- D) Subtropical zone

Q473: Which connective tissue helps in binding skin to muscles?

- A) Areolar tissue
- B) Adipose tissue
- C) Cartilage
- D) Bone

Q474: Which hormone is responsible for milk ejection reflex?

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

Q475: Which part of oviduct is the site of fertilisation?

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

Q476: Which chromosomal disorder is caused by trisomy of chromosome 18?

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

Q477: Which RNA acts as adaptor molecule during protein synthesis?

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

Q478: Which evolutionary process results in homologous organs?

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

Q479: Which disease is caused by Plasmodium falciparum?

- A) Typhoid
- B) Malaria
- C) Kala azar
- D) Amoebiasis

Q480: Which microbe is used for production of antibiotics like streptomycin?

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

Q481: Which vector is used to transfer genes into plants?

- A) Plasmid pBR322
- B) BAC
- C) Ti plasmid
- D) Cosmid

Q482: Which population parameter indicates number of individuals leaving population?

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

Q483: Which biome has permanently frozen subsoil called permafrost?

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

Q484: Which conservation method involves protection of organisms in natural habitat?

- A) Ex situ conservation
- B) Cryopreservation
- C) In situ conservation
- D) Seed bank

Q485: Which hormone increases blood calcium level?

- A) Calcitonin
- B) Parathormone
- C) Thyroxine
- D) Insulin

Q486: Which part of brain controls heartbeat and breathing?

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

Q487: Which extra embryonic membrane encloses embryo in mammals?

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

Q488: Which inheritance pattern shows one gene influencing many traits?

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

Q489: Which RNA is smallest in size?

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

Q490: Which evolutionary theory was proposed by Lamarck?

- A) Natural selection
- B) Mutation theory
- C) Inheritance of acquired characters
- D) Speciation theory

Q491: Which disease is transmitted by female Aedes mosquito?

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

Q492: Which microbe is used for production of bioactive molecule statin?

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

Q493: Which step in biotechnology involves uptake of recombinant DNA by host cell?

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

Q494: Which population interaction harms both interacting species?

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

Q495: Which nutrient cycle lacks gaseous phase?

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

Q496: Which Indian act deals with conservation of biodiversity?

- A) Wildlife Protection Act
- B) Forest Act
- C) Biodiversity Act
- D) Environment Protection Act

Q497: Which bone is part of pectoral girdle?

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

Q498: Which hormone inhibits milk secretion during pregnancy?

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

Q499: Which structure prevents polyspermy by cortical reaction?

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

Q500: Which environmental issue results from accumulation of toxic substances in food chains?

- A) Eutrophication
- B) Biomagnification
- C) Global warming
- D) Ozone depletion