

Quiz: Zoology Set 9

Q401: Which phylum is characterised by presence of calcareous endoskeleton and pentamerous radial symmetry in adults?

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

Q402: Which epithelial tissue lines the kidney tubules?

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

Q403: Which enzyme digests starch into maltose in mouth?

- A) Pepsin
- B) Salivary amylase
- C) Pancreatic lipase
- D) Trypsin

Q404: Which respiratory pigment is present in annelids like Nereis?

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

Q405: Which blood group antigen is present on RBCs of AB blood group?

- A) Only A
- B) Only B
- C) Both A and B
- D) Neither A nor B

Q406: Which hormone causes vasoconstriction and increases blood pressure?

- A) ANF
- B) ADH
- C) Oxytocin
- D) Prolactin

Q407: Which connective tissue connects bone to bone?

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

Q408: Which part of brain is the centre for hunger and satiety?

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

Q409: Which hormone promotes spermatogenesis?

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

Q410: Which organism reproduces asexually by binary fission?

- A) Hydra
- B) Amoeba
- C) Spirogyra
- D) Plasmodium

Q411: Which hormone is essential for maintenance of pregnancy?

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

Q412: Which ART involves transfer of gametes into fallopian tube?

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

Q413: Which inheritance pattern shows blending of traits?

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

Q414: Which enzyme synthesises DNA on leading strand?

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

Q415: Which base pairing occurs in DNA?

- A) A-U and G-C
- B) A-T and G-C
- C) A-U and G-U
- D) A-T and G-U

Q416: Which hominid is called wise man?

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

Q417: Which immunity develops after infection by pathogen?

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

Q418: Which microbe is used for production of penicillin?

- A) Aspergillus niger
- B) Penicillium notatum
- C) Saccharomyces
- D) Rhizobium

Q419: Which enzyme cuts DNA at specific palindromic sequences?

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

Q420: Which population interaction is represented by lice on humans?

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

Q421: Which ecological pyramid can be inverted in aquatic ecosystems?

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

Q422: Which latitude region shows maximum species diversity?

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

Q423: Which connective tissue provides mechanical support to organs?

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

Q424: Which hormone triggers milk ejection reflex?

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

Q425: Which part of oviduct is narrow and thick walled?

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

Q426: Which chromosomal disorder is caused by trisomy of chromosome 21?

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

Q427: Which RNA forms the structural component of ribosome?

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

Q428: Which evolutionary process leads to formation of analogous organs?

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

Q429: Which disease is caused by *Salmonella typhi*?

- A) Cholera
- B) Typhoid
- C) Plague
- D) Dysentery

Q430: Which microbe is used for production of acetic acid?

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

Q431: Which vector is used for gene transfer in plants?

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

Q432: Which population parameter refers to number of individuals added per unit time?

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

Q433: Which biome receives very low rainfall and has extreme temperature variation?

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

Q434: Which conservation method includes cryopreservation of gametes?

- A) In situ
- B) Ex situ
- C) Sacred groves
- D) Biosphere reserve

Q435: Which hormone lowers blood calcium level?

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

Q436: Which part of brain controls involuntary reflexes like coughing?

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

Q437: Which extra embryonic membrane encloses embryo in mammals?

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

Q438: Which inheritance involves one gene influencing multiple traits?

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

Q439: Which RNA is shortest in length?

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

Q440: Which evolutionary concept was proposed by Hugo de Vries?

- A) Natural selection
- B) Mutation theory
- C) Pangenesis
- D) Adaptive radiation

Q441: Which disease is transmitted by female Culex mosquito?

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

Q442: Which microbe is used for production of cyclosporin A?

- A) Penicillium
- B) Trichoderma polysporum
- C) Aspergillus
- D) Rhizobium

Q443: Which step in recombinant DNA technology involves joining vector and insert DNA?

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

Q444: Which population interaction harms both interacting species?

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

Q445: Which nutrient cycle does not involve atmosphere as reservoir?

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

Q446: Which Indian act is related to environmental protection?

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

Q447: Which bone forms the pectoral girdle?

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

Q448: Which hormone stimulates milk synthesis in mammary glands?

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

Q449: Which structure undergoes cortical reaction to prevent polyspermy?

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

Q450: Which environmental issue is caused by excessive use of fertilizers?

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