

Quiz: Zoology Set 7

Q301: Which phylum shows radial symmetry, diploblastic organisation and presence of mesoglea?

- A) Porifera
- B) Cnidaria
- C) Platyhelminthes
- D) Echinodermata

Q302: Which cell junction prevents leakage of substances across epithelium?

- A) Adhering junctions
- B) Tight junctions
- C) Gap junctions
- D) Desmosomes

Q303: Which enzyme converts proteins into proteoses and peptones?

- A) Trypsin
- B) Pepsin
- C) Chymotrypsin
- D) Carboxypeptidase

Q304: Which respiratory structure is present in fishes?

- A) Lungs
- B) Tracheae
- C) Gills
- D) Skin

Q305: Which blood component forms fibrin during clotting?

- A) Fibrinogen
- B) Prothrombin
- C) Platelets
- D) Calcium ions

Q306: Which nitrogenous waste is excreted by reptiles?

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

Q307: Which protein covers the active sites of actin during muscle relaxation?

- A) Troponin
- B) Tropomyosin
- C) Myosin
- D) Actinin

Q308: Which part of brain controls intelligence, memory and reasoning?

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

Q309: Which hormone stimulates milk synthesis in mammary glands?

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

Q310: Which organism shows oogamous reproduction?

- A) Chlamydomonas
- B) Volvox
- C) Spirogyra
- D) Ulothrix

Q311: Which hormone is secreted by placenta?

- A) Progesterone
- B) hCG
- C) Estrogen
- D) All of these

Q312: Which assisted reproductive technique involves transfer of embryos into uterus?

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

Q313: Which inheritance pattern is shown by ABO blood group system?

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

Q314: Which enzyme synthesises RNA primer during DNA replication?

- A) Helicase
- B) Primase
- C) Ligase
- D) Polymerase III

Q315: Which nitrogenous base is present only in DNA?

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

Q316: Which hominid was first to use language?

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

Q317: Which immunity involves transfer of antibodies through placenta?

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

Q318: Which microbe is used for production of citric acid?

- A) Saccharomyces
- B) Aspergillus niger
- C) Penicillium
- D) Rhizopus

Q319: Which enzyme seals nicks in DNA backbone during replication?

- A) Helicase
- B) Primase
- C) DNA ligase
- D) Topoisomerase

Q320: Which population interaction benefits one species and harms the other?

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

Q321: Which ecological pyramid represents flow of energy?

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

Q322: Which region has maximum biodiversity on Earth?

- A) Temperate region
- B) Polar region
- C) Tropical region
- D) Desert region

Q323: Which connective tissue forms framework of bones?

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

Q324: Which hormone stimulates uterine contraction during parturition?

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

Q325: Which part of oviduct is funnel shaped?

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

Q326: Which chromosomal disorder is caused by trisomy of chromosome 18?

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

Q327: Which RNA is synthesised during transcription?

- A) DNA
- B) mRNA
- C) Protein
- D) Lipid

Q328: Which evolutionary process results in speciation due to geographic isolation?

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

Q329: Which disease is caused by *Mycobacterium tuberculosis*?

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

Q330: Which microbe is used for production of bread?

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

Q331: Which vector is used for cloning genes in plants?

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

Q332: Which population parameter refers to number of individuals added from outside?

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

Q333: Which biome shows long dry season and scattered trees?

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

Q334: Which conservation method involves protection of sacred groves?

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

Q335: Which hormone increases blood calcium level?

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

Q336: Which part of brain controls posture and balance?

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

Q337: Which extra embryonic membrane protects embryo from shock?

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

Q338: Which inheritance pattern involves multiple genes affecting a single trait?

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

Q339: Which RNA molecule is shortest?

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

Q340: Which evolutionary theory was proposed by Charles Darwin?

- A) Mutation theory
- B) Theory of acquired characters
- C) Theory of natural selection
- D) Pangenesis

Q341: Which disease is transmitted by female Culex mosquito?

- A) Dengue
- B) Filariasis
- C) Malaria
- D) Chikungunya

Q342: Which microbe is used for production of bioactive molecules cyclosporin A?

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

Q343: Which step in biotechnology involves joining of DNA fragments?

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

Q344: Which population interaction harms both species involved?

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

Q345: Which nutrient cycle is gaseous?

- A) Phosphorus cycle
- B) Nitrogen cycle
- C) Sulphur cycle
- D) Both nitrogen and sulphur

Q346: Which Indian act is related to biodiversity conservation?

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

Q347: Which bone forms the pelvic girdle?

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

Q348: Which hormone inhibits ovulation during pregnancy?

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

Q349: Which structure blocks polyspermy by cortical reaction?

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

Q350: Which environmental issue is caused by accumulation of toxic substances in food chain?

- A) Eutrophication
- B) Biomagnification
- C) Global warming
- D) Acid rain