

## Quiz: Zoology Set 7

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**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