

# Quiz: Zoology Set 13

---

**Q601: Which phylum is characterised by metameric segmentation and presence of setae?**

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

**Q602: Which epithelial tissue lines the intestine and shows microvilli?**

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

**Q603: Which enzyme converts fats into fatty acids and glycerol in intestine?**

- A) Amylase
- B) Trypsin
- C) Lipase
- D) Pepsin

**Q604: Which respiratory pigment is present in molluscs and arthropods?**

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

**Q605: Which blood group lacks both A and B antibodies?**

- A) A
- B) B
- C) AB
- D) O

**Q606: Which hormone promotes reabsorption of sodium and water in kidneys?**

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

**Q607: Which connective tissue has no blood supply?**

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

**Q608: Which part of brain acts as thermostat of body?**

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

D) Medulla oblongata

**Q609: Which hormone is responsible for development of secondary sexual characters in females?**

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

**Q610: Which organism reproduces asexually by multiple fission?**

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

**Q611: Which hormone maintains pregnancy by inhibiting uterine contractions?**

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

**Q612: Which ART involves fertilisation outside the body followed by embryo transfer?**

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

**Q613: Which inheritance pattern shows expression of both alleles in heterozygote?**

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

**Q614: Which enzyme unwinds DNA double helix during replication?**

- A) Ligase
- B) Primase
- C) Helicase
- D) Topoisomerase

**Q615: Which base is absent in DNA?**

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

**Q616: Which hominid had tool making ability?**

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

D) Homo sapiens

**Q617: Which immunity is obtained by injection of antiserum?**

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

**Q618: Which microbe is used for production of antibiotics like tetracycline?**

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

**Q619: Which enzyme removes RNA primer and fills gaps during DNA replication?**

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

**Q620: Which population interaction benefits one species without affecting the other?**

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

**Q621: Which ecological pyramid can be inverted?**

- A) Energy pyramid
- B) Biomass pyramid
- C) All pyramids
- D) None

**Q622: Which region shows highest species richness?**

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

**Q623: Which connective tissue stores fat and reduces heat loss?**

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

**Q624: Which hormone is responsible for parturition?**

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

**Q625: Which part of oviduct is the site of fertilisation?**

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

**Q626: Which chromosomal disorder is caused by absence of one X chromosome?**

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

**Q627: Which RNA carries amino acids to ribosome?**

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

**Q628: Which evolutionary process leads to homologous organs?**

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

**Q629: Which disease is caused by *Entamoeba histolytica*?**

- A) Cholera
- B) Typhoid
- C) Amoebiasis
- D) Malaria

**Q630: Which microbe is used for production of curd?**

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

**Q631: Which vector is used for gene transfer in plants?**

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

**Q632: Which population parameter indicates number of individuals added per unit time?**

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

**Q633: Which biome is characterised by extreme cold and permafrost?**

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

**Q634: Which conservation method includes botanical gardens and zoos?**

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

**Q635: Which hormone decreases blood calcium level?**

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

**Q636: Which part of brain controls reflex actions?**

- A) Cerebrum
- B) Cerebellum
- C) Spinal cord
- D) Hypothalamus

**Q637: Which extra embryonic membrane protects embryo from mechanical shock?**

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

**Q638: Which inheritance pattern involves interaction of two non allelic genes?**

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

**Q639: Which RNA is the smallest?**

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

**Q640: Which evolutionary theory explains sudden appearance of species?**

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

**Q641: Which disease is transmitted by female *Anopheles* mosquito?**

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

**Q642: Which microbe is used for production of bioactive molecule statin?**

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

**Q643: Which step in recombinant DNA technology involves amplification of DNA?**

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

**Q644: Which population interaction harms both species involved?**

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

**Q645: Which nutrient cycle does not involve atmosphere?**

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

**Q646: Which Indian act is related to protection of wildlife?**

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

**Q647: Which bone forms the pelvic girdle?**

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

**Q648: Which hormone stimulates milk synthesis in mammary glands?**

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

**Q649: Which structure prevents polyspermy in humans?**

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

**Q650: Which environmental issue is caused by accumulation of toxic substances in food chains?**

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