

# **Quiz: Zoology Set 1**

---

**Q1: Which of the following character is common to all chordates?**

- A) Presence of ventral nerve cord
- B) Presence of notochord at some stage
- C) Presence of paired appendages
- D) Presence of closed circulatory system

**Q2: In which phylum flame cells are the excretory structures?**

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

**Q3: Which class of animals shows jointed appendages and chitinous exoskeleton?**

- A) Insecta
- B) Arachnida
- C) Crustacea
- D) All of these

**Q4: Which nitrogenous waste is excreted by mammals?**

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

**Q5: Which part of human alimentary canal secretes mucus but no digestive enzymes?**

- A) Stomach
- B) Small intestine
- C) Large intestine
- D) Oesophagus

**Q6: Haemoglobin has greater affinity for which gas?**

- A) Oxygen
- B) Carbon dioxide
- C) Carbon monoxide
- D) Nitrogen

**Q7: Which blood group is known as universal donor?**

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

**Q8: Which hormone is responsible for milk ejection from mammary glands?**

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

D) Progesterone

**Q9: Which stage of meiosis shows separation of homologous chromosomes?**

- A) Metaphase I
- B) Anaphase I
- C) Anaphase II
- D) Telophase I

**Q10: Which type of inheritance is shown by sickle cell anaemia?**

- A) Autosomal dominant
- B) Autosomal recessive
- C) Sex-linked dominant
- D) Sex-linked recessive

**Q11: Which nitrogenous base is absent in RNA?**

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

**Q12: Which enzyme is responsible for joining Okazaki fragments?**

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

**Q13: Who proposed the theory of natural selection?**

- A) Lamarck
- B) Darwin
- C) Hugo de Vries
- D) Mendel

**Q14: Which disease is caused by Plasmodium?**

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

**Q15: Which microorganism is used for production of citric acid?**

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

**Q16: Which enzyme is used in recombinant DNA technology to cut DNA?**

- A) Ligase
- B) Polymerase
- C) Restriction endonuclease
- D) Transcriptase

**Q17: Which population attribute is not an individual attribute?**

- A) Birth rate
- B) Death rate
- C) Age
- D) Sex ratio

**Q18: Which trophic level has maximum energy?**

- A) Producers
- B) Primary consumers
- C) Secondary consumers
- D) Tertiary consumers

**Q19: Which biome is characterised by permafrost?**

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

**Q20: Which gas is responsible for global warming?**

- A) Oxygen
- B) Nitrogen
- C) Carbon dioxide
- D) Helium

**Q21: Which part of sperm contains mitochondria?**

- A) Head
- B) Neck
- C) Middle piece
- D) Tail

**Q22: Which hormone maintains pregnancy?**

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

**Q23: Which vitamin deficiency causes night blindness?**

- A) Vitamin B
- B) Vitamin C
- C) Vitamin A
- D) Vitamin D

**Q24: Which cell acts as the pacemaker of human heart?**

- A) AV node
- B) SA node
- C) Purkinje fibres
- D) Bundle of His

**Q25: Which hormone decreases blood glucose level?**

- A) Glucagon
- B) Adrenaline
- C) Insulin
- D) Cortisol

**Q26: Which cranial nerve is responsible for vision?**

- A) Olfactory
- B) Optic
- C) Oculomotor
- D) Trigeminal

**Q27: Which disorder is caused due to deficiency of iodine?**

- A) Cretinism
- B) Goitre
- C) Addison's disease
- D) Diabetes insipidus

**Q28: Which disease is transmitted by female Anopheles mosquito?**

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

**Q29: Which technique is used to separate DNA fragments?**

- A) PCR
- B) Gel electrophoresis
- C) Hybridisation
- D) Cloning

**Q30: Which species has highest genetic diversity?**

- A) Humans
- B) Tiger
- C) Bacteria
- D) Elephant

**Q31: Which animal shows radial symmetry?**

- A) Earthworm
- B) Cockroach
- C) Starfish
- D) Frog

**Q32: Which structure connects mother and foetus?**

- A) Umbilical cord
- B) Amnion
- C) Allantois
- D) Chorion

**Q33: Which type of placenta is found in humans?**

- A) Diffuse
- B) Cotyledonary
- C) Discoidal
- D) Zonary

**Q34: Which disease is caused by HIV?**

- A) Cancer
- B) Tuberculosis
- C) AIDS
- D) Hepatitis

**Q35: Which crop variety was produced by Norman Borlaug?**

- A) Hybrid maize
- B) High yielding wheat
- C) Golden rice
- D) Bt cotton

**Q36: Which hormone regulates circadian rhythm?**

- A) Melatonin
- B) Thyroxine
- C) Cortisol
- D) Insulin

**Q37: Which ecosystem has highest productivity?**

- A) Desert
- B) Forest
- C) Grassland
- D) Coral reef

**Q38: Which law explains independent assortment?**

- A) Law of dominance
- B) Law of segregation
- C) Law of independent assortment
- D) Law of purity of gametes

**Q39: Which enzyme converts angiotensin I to angiotensin II?**

- A) Renin
- B) ACE
- C) Pepsin
- D) Trypsin

**Q40: Which excretory organ is absent in insects?**

- A) Malpighian tubules
- B) Nephridia
- C) Rectum
- D) Hindgut

**Q41: Which animal is a connecting link between annelids and arthropods?**

- A) Peripatus
- B) Nereis
- C) Prawn
- D) Limulus

**Q42: Which hormone stimulates spermatogenesis?**

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

**Q43: Which organ stores bile?**

- A) Liver
- B) Gall bladder
- C) Pancreas
- D) Duodenum

**Q44: Which antibody is most abundant in human blood?**

- A) IgA
- B) IgE
- C) IgG
- D) IgM

**Q45: Which disease is caused by Wuchereria bancrofti?**

- A) Malaria
- B) Elephantiasis
- C) Amoebiasis
- D) Ascariasis

**Q46: Which base pairs with adenine in DNA?**

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

**Q47: Which population interaction benefits both species?**

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

**Q48: Which organism is used in production of penicillin?**

- A) Penicillium notatum
- B) Rhizopus
- C) Aspergillus
- D) Yeast

**Q49: Which tissue lines the trachea?**

- A) Squamous epithelium
- B) Cuboidal epithelium
- C) Ciliated columnar epithelium
- D) Stratified epithelium

**Q50: Which environmental issue is caused by chlorofluorocarbons?**

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