

## **Quiz: Zoology Set 2**

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**Q51: Which characteristic feature differentiates porifera from all other multicellular animals?**

- A) Radial symmetry
- B) Cellular level of organisation
- C) Presence of choanocytes
- D) Canal system

**Q52: Cnidoblasts are primarily involved in which function?**

- A) Respiration
- B) Digestion
- C) Defence and prey capture
- D) Locomotion

**Q53: Which animal shows metameric segmentation?**

- A) Ascaris
- B) Earthworm
- C) Hydra
- D) Planaria

**Q54: Which structure prevents food from entering trachea during swallowing?**

- A) Glottis
- B) Epiglottis
- C) Larynx
- D) Pharynx

**Q55: Which enzyme converts peptones into peptides in intestine?**

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

**Q56: Which form of haemoglobin is formed when oxygen binds to haemoglobin?**

- A) Carbaminohaemoglobin
- B) Oxyhaemoglobin
- C) Carboxyhaemoglobin
- D) Deoxyhaemoglobin

**Q57: Which blood vessel carries oxygenated blood from lungs to heart?**

- A) Pulmonary artery
- B) Pulmonary vein
- C) Aorta
- D) Vena cava

**Q58: Which nitrogenous waste is excreted by birds?**

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

D) Creatinine

**Q59: Which type of muscle is found in alimentary canal?**

- A) Skeletal muscle
- B) Cardiac muscle
- C) Smooth muscle
- D) Striated muscle

**Q60: Which part of brain controls voluntary actions?**

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

**Q61: Which hormone is secreted by adrenal medulla?**

- A) Cortisol
- B) Aldosterone
- C) Adrenaline
- D) Progesterone

**Q62: Which type of reproduction occurs in Hydra?**

- A) Binary fission
- B) Multiple fission
- C) Budding
- D) Fragmentation

**Q63: Which hormone triggers ovulation?**

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

**Q64: Which contraceptive method prevents ovulation?**

- A) Condom
- B) Copper-T
- C) Oral pills
- D) Diaphragm

**Q65: Which genotype represents a carrier female for haemophilia?**

- A) XHXH
- B) XHXh
- C) XhXh
- D) XHY

**Q66: Which nitrogenous base is present only in RNA?**

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

**Q67: Which codon acts as initiation codon?**

- A) UAA
- B) UAG
- C) AUG
- D) UGA

**Q68: Which evidences support organic evolution?**

- A) Comparative anatomy
- B) Embryology
- C) Fossils
- D) All of these

**Q69: Which disease spreads through sexual contact?**

- A) Typhoid
- B) Syphilis
- C) Malaria
- D) Tuberculosis

**Q70: Which bacteria convert milk into curd?**

- A) Streptococcus
- B) Lactobacillus
- C) Clostridium
- D) Rhizobium

**Q71: Which enzyme is used in PCR?**

- A) DNA ligase
- B) Restriction enzyme
- C) Taq polymerase
- D) RNA polymerase

**Q72: Which population growth curve shows exponential growth?**

- A) S-shaped
- B) J-shaped
- C) Bell-shaped
- D) Linear

**Q73: Which ecosystem has standing crop measured in units of dry weight?**

- A) Grassland
- B) Aquatic ecosystem
- C) Forest
- D) Desert

**Q74: Which species diversity is maximum in tropics?**

- A) Alpha diversity
- B) Beta diversity
- C) Gamma diversity
- D) Ecological diversity

**Q75: Which gas is responsible for acid rain?**

- A) CO<sub>2</sub>
- B) SO<sub>2</sub>
- C) O<sub>2</sub>
- D) CH<sub>4</sub>

**Q76: Which embryonic layer gives rise to nervous system?**

- A) Mesoderm
- B) Endoderm
- C) Ectoderm
- D) Periderm

**Q77: Which joint allows movement in all directions?**

- A) Hinge joint
- B) Pivot joint
- C) Ball and socket joint
- D) Gliding joint

**Q78: Which part of nephron is impermeable to water?**

- A) PCT
- B) Descending limb
- C) Ascending limb
- D) Collecting duct

**Q79: Which hormone increases heart rate during stress?**

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

**Q80: Which structure transmits impulse from one neuron to another?**

- A) Axon
- B) Dendrite
- C) Synapse
- D) Cell body

**Q81: Which part of sperm penetrates the ovum?**

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

**Q82: Which hormone stimulates uterine contraction during childbirth?**

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

**Q83: Which chromosomal disorder is caused by trisomy of chromosome 21?**

- A) Turner syndrome
- B) Klinefelter syndrome
- C) Down syndrome
- D) Cri du chat

**Q84: Which RNA carries amino acids during protein synthesis?**

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

**Q85: Which theory explains origin of life?**

- A) Panspermia
- B) Special creation
- C) Chemical evolution
- D) Mutation theory

**Q86: Which disease is caused by *Salmonella typhi*?**

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

**Q87: Which microbe is used for production of biogas?**

- A) Methanobacterium
- B) Lactobacillus
- C) Aspergillus
- D) Rhizobium

**Q88: Which vector is used in gene cloning?**

- A) Virus
- B) Plasmid
- C) Bacterium
- D) Chromosome

**Q89: Which population density measure is expressed as number per unit area?**

- A) Biomass
- B) Natality
- C) Mortality
- D) Population density

**Q90: Which biome receives the least rainfall?**

- A) Forest
- B) Tundra
- C) Desert
- D) Grassland

**Q91: Which conservation method protects biodiversity in natural habitat?**

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

**Q92: Which structure in mammals is homologous to swim bladder of fishes?**

- A) Lung
- B) Gills
- C) Trachea
- D) Alveoli

**Q93: Which hormone regulates basal metabolic rate?**

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

**Q94: Which reflex is mediated by spinal cord?**

- A) Salivary reflex
- B) Pupillary reflex
- C) Withdrawal reflex
- D) Cough reflex

**Q95: Which reproductive structure develops from ovary after fertilisation?**

- A) Placenta
- B) Seed
- C) Fruit
- D) Endosperm

**Q96: Which type of inheritance shows pleiotropy?**

- A) ABO blood group
- B) Sickle cell anaemia
- C) Haemophilia
- D) Colour blindness

**Q97: Which molecule acts as genetic material in some viruses?**

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

**Q98: Which evolutionary phenomenon results in homologous organs?**

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

**Q99: Which disease is prevented by BCG vaccine?**

- A) Typhoid
- B) Tuberculosis
- C) Polio
- D) Measles

**Q100: Which environmental problem is caused by excessive nutrients in water bodies?**

- A) Global warming
- B) Biomagnification
- C) Eutrophication
- D) Deforestation