

Quiz: Zoology Set 6

Q251: Which phylum is characterised by presence of water vascular system?

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

Q252: Which enzyme converts maltose into glucose?

- A) Amylase
- B) Sucrase
- C) Maltase
- D) Lactase

Q253: Which respiratory organ is present in insects?

- A) Gills
- B) Lungs
- C) Tracheal system
- D) Skin

Q254: Which blood group lacks both A and B antigens?

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

Q255: Which part of nephron is the primary site of filtration?

- A) PCT
- B) Loop of Henle
- C) DCT
- D) Glomerulus

Q256: Which muscle protein binds to calcium ions during contraction?

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

Q257: Which part of brain controls involuntary activities like breathing and heartbeat?

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

Q258: Which hormone regulates calcium metabolism?

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

D) Glucagon

Q259: Which organism reproduces by fragmentation?

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

Q260: Which hormone is responsible for maintenance of secondary sexual characters in males?

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

Q261: Which sexually transmitted disease is caused by virus?

- A) Gonorrhoea
- B) Syphilis
- C) AIDS
- D) Chlamydia

Q262: Which inheritance pattern shows equal expression of both alleles in heterozygote?

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

Q263: Which enzyme unzips DNA during replication?

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

Q264: Which nitrogenous base pairs with cytosine?

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

Q265: Which hominid showed use of stone tools?

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

Q266: Which immunity is obtained by injection of antibodies?

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

Q267: Which microbe is used for production of butyric acid?

- A) Lactobacillus
- B) Clostridium butylicum
- C) Aspergillus
- D) Rhizobium

Q268: Which enzyme is used to cut DNA at specific sites in genetic engineering?

- A) DNA ligase
- B) Restriction endonuclease
- C) DNA polymerase
- D) RNA polymerase

Q269: Which population interaction is represented by barnacles on whale?

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

Q270: Which ecological pyramid is always upright?

- A) Number
- B) Biomass
- C) Energy
- D) All of these

Q271: Which biodiversity hotspot lies partly in India?

- A) Amazon
- B) Madagascar
- C) Western Ghats
- D) Sundaland

Q272: Which connective tissue stores fat?

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

Q273: Which hormone stimulates release of milk from mammary glands?

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

Q274: Which part of oviduct is the site of fertilisation?

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

Q275: Which chromosomal disorder is due to trisomy of chromosome 21?

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

Q276: Which RNA is involved in protein synthesis as adaptor molecule?

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

Q277: Which evolutionary process leads to adaptive radiation?

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

Q278: Which disease is transmitted by female Anopheles mosquito?

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

Q279: Which microbe is used for production of acetic acid?

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

Q280: Which vector is used in gene transfer in plants?

- A) Plasmid pBR322
- B) BAC
- C) Ti plasmid
- D) Phage lambda

Q281: Which population parameter refers to number of individuals leaving population?

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

Q282: Which biome is characterised by extreme temperatures and low rainfall?

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

Q283: Which conservation strategy protects species outside their natural habitat?

- A) In situ conservation
- B) Ex situ conservation
- C) Biosphere reserve
- D) National park

Q284: Which hormone is secreted by adrenal cortex?

- A) Adrenaline
- B) Noradrenaline
- C) Aldosterone
- D) Oxytocin

Q285: Which part of brain controls reflex actions?

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

Q286: Which extra embryonic membrane helps in respiration of embryo in birds?

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

Q287: Which inheritance shows interaction of two genes controlling one trait?

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

Q288: Which RNA undergoes splicing?

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

Q289: Which evolutionary concept explains survival of fittest?

- A) Mutation
- B) Genetic drift
- C) Natural selection
- D) Speciation

Q290: Which disease is caused by *Vibrio cholerae*?

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

Q291: Which microbe is used for production of enzymes like pectinase?

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

Q292: Which step in biotechnology involves uptake of recombinant DNA by host?

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

Q293: Which population interaction harms both interacting species?

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

Q294: Which nutrient cycle involves nitrogen fixation?

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

Q295: Which Indian act is related to environmental protection?

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

Q296: Which bone is present in upper arm?

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

Q297: Which hormone inhibits milk secretion?

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

Q298: Which structure nourishes embryo in mammals?

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

Q299: Which disorder is due to nondisjunction of sex chromosomes?

- A) Down syndrome
- B) Turner syndrome
- C) Sickle cell anaemia
- D) Phenylketonuria

Q300: Which environmental issue is caused by release of CFCs?

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