

Section-A

Q.1 Choose the correct answer for each from the given options:

- (i) It has no teeth in mouth.
 (a) Shark (b) Frog (c) Elephant (d) Sparrow
- (ii) Spiders do not have _____.
 (a) Jointed legs (b) Wings (c) Exoskeleton (d) Head
- (iii) Closely related species are grouped together into _____.
 (a) Family (b) Genus (c) Order (d) Class
- (iv) Viruses are _____.
 (a) Cellular (b) Noncellular (c) Multicellular (d) None of these
- (v) The sensory structure for hearing is:
 (a) Ossicles (b) Pinna (c) Cochlea
 (d) Semi circular canals
- (vi) Wings of birds and wings of insects are _____.
 (a) Homologous organs (b) Analogous organs
 (c) Vestigial organs (d) None of these
- (vii) The blood is filtered through the _____.
 (a) Glomerulus (b) Loop of henic (c) Renal tubule
 (d) None of these
- (viii) Minerals deposited in bones are _____.
 (a) Magnesium and Sodium (b) Calcium and Phosphate
 (c) Potassium and Carbonate (d) Magnesium and Sulphate
- (ix) Nerve cord develops from _____.
 (a) Ectoderm (b) Mesoderm (c) Mesendoderm (d) Endoerm
- (x) DNA is found in: _____.
 (a) Nucleus (b) Chromosome (c) Cell (d) Nucleo, lasm
- (xi) Developmental biology deals with the _____.
 (a) Changes occurring in zygote (b) Growth of organism
 (c) Development of groups and classes
 (d) Function performed by a organisms
- (xii) It is considered as building material of protoplasm.
 (a) Lipids (b) Carbohydrates (c) Vitamins (d) Proteins
- (xiii) Typhoid is the diseases of _____.
 (a) Kindey (b) Lungs (c) Lever (d) Intestine
- (xiv) Agricus is commonly known as _____.
 (a) Bread mold (b) Yeast (c) Mashroom (d) All of these
- (xv) The group of Authoceros is _____.
 (a) Hepaticae (b) Musci (c) Liverworts (d) Anthocerotac
- (xvi) Respiration takes place in _____.
 (a) Parenchymatious cells (b) Leaves cells
 (c) Root cells (d) All cells
- (xvii) If no antigen is present on R.B.C the blood group would be.
 (a) AB (b) A (c) B (d) O

Section-B

(Short Answer)

Section-B
(Short Answer)

Note: Answer any EIGHT of the following questions. Each question carries 05 marks.

- Q.2 Define Anatomy and Embryology.
- Q.3 Differentiate between Monocot and Dicot plant.
- Q.4 What is the definition of taxonomy?
- Q.5 What is tooth decay?
- Q.6 What is roughage?
- Q.7 Distinguish between Arteries and veins.
- Q.8 Name the five Kingdoms proposed by Whittaker
- Q.9 Write short note on Tape worm.
- Q.10 Why are amphibia regarded as having dual life?
- Q.11 What are Nephridia? How do they perform their function?
- Q.12 How flower is important for plant?
- Q.13 Name the causes of variations.

Section-C
(Descriptive Answer)

Note: Answer any TWO of the following questions. Each question carries 14 marks.

- Q.14 What do you mean by cell-division? Describe the method of cell-division by which Gametes or Spores are Produced.
- Q.15 State and explain important characters of round worms and segmented worms.
- Q.16 Name the four major components of an ecosystem. Discuss their importance and inter-relationships.