

Section-A (MCQ's)

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

- (i) _____ is not cold blooded.
 (a) Fish (b) Frog (c) Cat (d) Snake
- (ii) The numbers of layers in the wall of an artery are _____.
 (a) Two (b) Three (c) Four (d) Five
- (iii) Nucleus of cell was discovered by _____.
 (a) Robert Hooke (b) Schleiden (c) Virchow (d) Robert Brown
- (iv) The group of Marchantia is _____.
 (a) Hepaticae (b) Musci (c) Hornworts (d) Anthocerotae
- (v) Food of heterotrophs consists of _____.
 (a) Proteins (b) Fats (c) Carbohydrates
 (d) All of them
- (vi) The basic unit of biological classification is the _____.
 (a) Genus (b) Species (c) Phylum (d) Class
- (vii) Nephrons are connected with _____.
 (a) Respiratory system (b) Nervous system (c) Circulatory system
 (d) Excretory system
- (viii) The basic unit of inheritance is _____.
 (a) Chromosome (b) Gametes (c) Genes (d) Nucleus
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- (ix) In animals the product of anaerobic respiration is _____.
 (a) Lactic acid (b) Uric acid (c) Pyruvic acid (d) Uracil
- (x) _____ is not a fungus.
 (a) Agaricus (b) Saccharomyces
 (c) Chlamydomonas (d) Aspergillus
- (xi) Prokaryotic cells do not contain:
 (a) Membrane bound Nucleus (b) Ribosome (c) Cell-membrane
 (d) None of these
- (xii) Annelids have an / a _____.
 (a) Exoskeleton (b) Endoskeleton
 (c) Hydrostatic skeleton (d) None of these
- (xiii) Horse tails are the common name of _____.
 (a) Psilopsida (b) Pteropsida (c) Lycopsida (d) Sphenopsida
- (xiv) Nostoc belongs to _____.
 (a) Cyanobacteria (b) Cocci bacteria (c) Eubacteria (d) None of these
- (xv) Carbon dioxide from air is taken by leaf through _____.
 (a) Lenticle (b) Mesophyll (c) Epidermis (d) Stomata

Section-B(Short Answer)

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

- Q.2 Write a note on binomial nomenclature.
- Q.3 Describe the relationship of Biology with branch of Physics.
- Q.4 What do you know about tape worms?
- Q.5 Describe general character of fungi.
- Q.6 Make a list of basic character of chordates.
- Q.7 What are the four types of bacteria according to shapes?
- Q.8 Differentiate between Angiosperms and Gymnosperms.
- Q.9 What is mal-nutrition?
- Q.10 What is the role of skin in excretion?
- Q.11 What do you understand by angina pectoris?
- Q.12 What are ADP and ATP? And describe its importance.
- Q.13 Define Prokaryotic cell and Eukaryotic cell.

Section-C (Descriptive Answer)

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

- Q.14 What do you mean by biogenesis and abiogenesis? Also give pasteur's experiment which explain the concept of biogenesis.
- Q.15 Why leaves are the major sites of photosynthesis?
- Q.16 What is a kidney failure? How can it be treated?