

Section-A

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

- (i) The intelligent guess of a scientist in the form of a statement is called:
 (a) Deduction (b) Theory (c) Hypothesis (d) Law
- (ii) The number of chambers in the heart of frog are
 (a) Two (b) Three (c) Four (d) Five
- (iii) Which one is not an alga.
 (a) Chlorella (b) Volvox (c) Spirogyra (d) Yeast
- (iv) Tuberculosis is caused by
 (a) Virus (b) Worm (c) Bacteria (d) None of these
- (v) Urea is mainly synthesized in
 (a) Liver (b) Blood (c) Kidneys (d) Nephrons
- (vi) Movement of Euglena occurs by
 (a) Cilia (b) Flagella (c) Pseudopodia
 (d) Limbs
- (vii) The blood is filtered through the
 (a) Bowman's capsule (b) Glomerulus (c) Loop of Henle
 (d) Renal tubule
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- (viii) The metabolic waste products are removed by Amoeba, chiefly through the
 (a) Contractile vacuole (b) Cell surface
 (c) Food vacuole (d) Excretory canals
- (ix) Nostoc belongs to
 (a) Cocci bacteria (b) Eubacteria (c) Cyanobacteria
 (d) None of these
- (x) Chloroplast of Spirogyra is
 (a) Ring shaped (b) Cup shaped (c) Ribbon shaped
 (d) Spherical
- (xi) Colourless, nucleated and irregular cells are
 (a) R.B.Cs (b) W.B.Cs (c) Platelets (d) Cardiac muscle cells
- (xii) Typical flowers are present in the group of Spermatophyte.
 (a) Gymnosperm (b) Angiosperm (c) Pteropsida
 (d) All of them
- (xiii) Fruit is ripened
 (a) Ovule (b) Ovary (c) Flower (d) Carpel
- (xiv) Cigarette smoke contains
 (a) Nicotine (b) Tar (c) CO (d) All of these
- (xv) It is not multicellular
 (a) Porifera (b) Arthropoda (c) Nematoda (d) Protozoa
- (xvi) It is not cold blooded:
 (a) Fish (b) Cat (c) Frog (d) Snake
- (xvii) Following are not fat soluble vitamins:
 (a) A and D (b) E and K (c) B and C (d) D and E

Section-B (Short Answer)

Note: Answer any EIGHT fo the follwoing questions. Each question carries 05 marks.

- Q.2: Name the five kingdoms proposed by Margulis and Schwatz.
- Q.3: Define Histology and cell Biology.
- Q.4: Write down the work of Abdul Malik Asmai in the field of Biology.
- Q.5: What is virus? Name the types of viruses.
- Q.6: Write down the general characters of Phylum Arthropoda.
- Q.7: What are the functions of Blood?
- Q.8: Draw a labeled diagram of Amoeba.
- Q.9: How does Osteoporosis affect the bones?
- Q.10: Distinguish between artries and veins.
- Q.11: What are the Mammls? Name their three types.
- Q.12: Define balanced diet.
- Q.13: Who proposed cell theory? Write down its sallent features.

Section-C

(Descriptive Answer)

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

- Q.14: What is photosynthesis? Discuss necessary factors of photosynthesis.
- Q.15: Describe the digestive system of frog and draw labeled diagram.
- Q.16: Discuss the human excretory system and also discuss the working kidneys.
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