Biology (9th)
( Fresh / New Course)

(a) (b) (c) (d) (e)

1. Which of the following tissues are found in multicellular organisms?
   (a) <br> (b) <br> (c) <br> (d) <br> (e)

2. The branch of biology that studies the function and structure of tissues is called <br> (a) <br> (b) <br> (c) <br> (d) <br> (e)

3. The correct answer to the problem is <br> (a) <br> (b) <br> (c) <br> (d) <br> (e)

4. Which of the following is the basic unit of classification? <br> (a) <br> (b) <br> (c) <br> (d) <br> (e)

5. Universal rule of life is <br> (a) <br> (b) <br> (c) <br> (d) <br> (e)

6. Which of the following can be grown from plant cells by tissue culture? <br> (a) Carbohydrate <br> (b) Nitrogen <br> (c) Oxygen <br> (d) Water <br> (e)

7. The phase of mitosis where chromosomes are aligned at the center is <br> (a) Prophase I <br> (b) Metaphase I <br> (c) Metaphase II <br> (d) Anaphase <br> (e)

8. Weeds often acquire free nitrogen in the form of <br> (a) NH₃ <br> (b) NH₂ <br> (c) CH₃NH₂ <br> (d) NO₂⁻ <br> (e)

9. The trace element which is essential in the formation of chlorophyll is <br> (a) Carbon <br> (b) Sodium <br> (c) Potassium <br> (d) Iron <br> (e)
Section - B  Marks : 32

Q. 2 Answer any Eight parts. Each part carries equal marks.
(i) Write note on contributions by Bi Al Sira.
(ii) Differentiate between inductive reasoning and deductive reasoning.
(iii) Define biodiversity.
(iv) Define species and genotype.
(v) Differentiate between Eukaryotic and Prokaryotic cells.
(vi) What are the characteristics of Enzymes?
(vii) Give differences between Prokaryotic and Eukaryotic cells.
(viii) What is a cell cycle?
(ix) Define Aerobic and Anaerobic fermentation.
(x) Liver is a digestive gland. Explain.
(xi) Give two differences between photosynthesis and respiration.

Section - C  Marks : 21

NOTE: Attempt any three questions. Each question carries equal marks.
Q. 3 (a) Define Biology. Describe any two major branches of biology.
(b) What is the importance of data for getting an answer to a scientific question?
Q. 4 (a) Explain Bovinian nomenclature. What are its advantages?
(b) Write a note on viruses.
Q. 5 (a) Differentiate between simple and compound tissues.
(b) What is the significance of mitosis?
Q. 6 (a) Describe the composition of human blood. Give the main functions of blood cells.
(b) Discuss the role of dietary fiber in balanced diet.