



TEST PAPER: BIOLOGY

Time: 70 Minutes

Class: I.C.S.E. 9

Max. Marks: 50 Marks Date: 25th July 2018

Marking Scheme: All questions carry 10 marks each. Subparts (A) and (B) carry 3 marks each and subpart (C) carries 4 marks.

Question 1:

A. Name the following.

1. Father of Biology
2. Father of Medicine.
3. Science that deals with the study of immunity.
4. Two meristematic tissues.
5. Small round body present in the nucleus.

B. Give the function of-

1. Lysosomes.
2. Ribosomes.
3. Chromosomes.

C. Describe these tissues in detail (Structure & function).

1. Cardiac muscles.
2. Blood.

Question 2.

A. Choose the correct option.

1. Cartilage is an example of _____ connective tissue.
a. Fluid b. proper c. supportive.
2. Starch in potato is stored in _____.
a. Sclerenchyma b. Collenchyma c. Parenchyma.
3. Which of the following is found in both, a monkey & a rose plant?
a. Plastids b. centrioles c. mitochondria.

B. Who put forward the cell theory? Explain its major points.

C. Explain.

1. How the smallness of the cell has greater efficiency?
2. Two functions of an epithelial tissue.
3. Why a cluster of fish eggs cannot be called a tissue?

Question 3.

A. Differentiate.

1. Cell & tissue.
2. Organ & organelle.
3. Protoplasm & cytoplasm.

B. Name the three structures that are found in a plant cell but not in an animal cell & state their functions.

C. Draw an animal cell & label these parts.

1. Nucleolus
2. Cytoplasm
3. Ribosomes.
4. Golgi bodies.
5. Endoplasmic reticulum.
6. Mitochondria.

Question 4.

A. Describe the three proper connective tissues in detail.

B. Correct & rewrite these sentences.

1. The cell wall is Semi permeable.
2. Epithelial tissues help in transporting water & minerals in plants.
3. Lymph is the fluid surrounding the bones.
4. Xylem fibers are the only living cells in the xylem tissue.
5. Muscle tissues of abundant matrix.
6. The cell body of a neuron is called axon.

C. Name the two types of complex permanent plant tissues. What is the difference between them? Explain in detail the structure & function of any one of them.

Question 5.

A. Name where these tissues are found in plants/human bodies.

1. Chlorenchyma.
2. Neural tissue.
3. Tendons & ligaments.
4. Cuboidal epithelium.
5. Protective simple permanent plant tissue.

B. Why mitochondria is called power house of the cell? Describe its structure in detail.

C. Answer the following.

1. Describe the structure & function of the cell in the diagram.
2. Name the parts 1, 2, 3, 4.
3. Name a human system made up of these cells.

