

**SEMESTER-ONE****BIOLOGY**

Class X

Student Name: .....

Date: .....

**Period-I : Topic 1****INTRODUCTION TO BIOLOGY AND ITS BRANCHES;  
THE STUDY OF CELL AS THE BASIC UNIT OF LIFE,  
AND MOVEMENT OF SUBSTANCES ACROSS CELL  
MEMBRANE****Multiple Choice Questions**

Select and write one most appropriate option out of the four options given for each of the questions 1 – 5.

- The branch of science that deals with the study of living things and life processes is called
  - histology
  - geology
  - psychology
  - biology
- Botany is the study of
  - plants
  - animals
  - living things
  - non-living things
- The following are all branches of biology except
  - ecology
  - cytology
  - botany
  - geology
- The branch of biology that deals with the study of cells is called
  - histology
  - zoology
  - cytology
  - morphology

5. Plants have tiny pores on their leaves called
- |               |             |
|---------------|-------------|
| (a) mesophyll | (b) tissue  |
| (c) lungs     | (d) stomata |

### Fill in the Blanks

Fill in the blanks with a suitable word for each of the questions 1 – 5.

- The body of Amoeba is made up of \_\_\_\_\_ cell.
- The cell is the basic unit of \_\_\_\_\_ and \_\_\_\_\_ of the living beings.
- The egg of \_\_\_\_\_ is largest cell.
- Ribosomes are associated with the synthesis of \_\_\_\_\_ .
- The cellular organelles often referred as suicide bags are \_\_\_\_\_ .

### True or False

State whether the following statements are true or false for each of the questions 1–5.

- Plant cells are bounded by a wall composed of cellulose.
- Amoeba* is a multicellular organism.
- Plasma membrane is present in all the cells.
- All kinds of plastids have pigments.
- Chromoplasts provide different colours to flowers and mature fruits.

### Theoretical Questions

Answer each of the questions 1 – 5.

- What name was given to cell contents by Purkinje in 1840?

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2. Name the nucleic acids present in an animal cell.

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3. What does the term plasmolysed mean when used to describe a cell?

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4. Who proposed the cell theory? State the main postulates of this theory.

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5. Name any two cell organelles and give their functions.

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