

Note: Time allowed for section B and C is 2 hours and 40 minutes.

SECTION "B"

Marks: 32

I. Attempt any EIGHT Parts out of the following. Each Part carries equal marks.

- i. Define. i. Cell ii. Tissue iii. Organ iv. Organ System.
- ii. Write four Aims of classification.
- iii. What are the Characteristics of Kingdom Monera?
- iv. Write note on Cytoplasm.
- v. Discuss the Turgor.
- vi. Explain the Necrosis.
- vii. Discuss ATP as the energy currency of cells.
- viii. What is meant by Anaerobic respiration?
- ix. Discuss Role of Nitrogen in plants.
- x. What is meant by Vitamin "D".
- xi. Explain how food substances are transported in plants.

SECTION "C"

Marks: 21

Note: Attempt any THREE questions of the following. Each question carries equal Marks.

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| III. | (a) Define Molecules and Compounds. | 3 |
| | (b) Write & explain the process of cellular organization. | 4 |
| IV. | (a) Discuss Data organization & Data Analysis. | 3 |
| | (b) How mathematics is an integral part of scientific process. | 4 |
| V. | (a) Write characteristic of Kingdom Fungi. | 3 |
| | (b) Explain conservation of Biodiversity. | 4 |
| VI. | (a) Write note on Ribosomes. | 3 |
| | (b) What is meant by plasmolysis? | 4 |

BIOLOGY (New) Class 9th Time: 20 Minutes Marks: 12 Multiple Choice Questions 01 Mark for each	Paper Code ● ② ③	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Roll No. of the Student</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> </table> Serial No. Of the Answer Book _____	Roll No. of the Student							
Roll No. of the Student										

SECTION-A

Note:

- 1) Attempting all MCQs is compulsory. This paper along with the OMR sheet must be returned to the superintendent after due time.
- 2) Fill the circle (A)(B)(C)(D), which one is correct with blue or black ball point, in this sheet as well as in separate OMR Sheet like ●
- 3) If more than one circle in the OMR sheet is filled then no credit will be given to such answer.

I.i. The study of Microorganisms is called?

- (A) Botany (B) Anatomy (C) Microbiology (D) Taxonomy

ii. One of the following is not a Macromolecule?

- (A) Glucose (B) Sucrose (C) Fatty Acid (D) Protein

iii. Which one is the first step in Biological Method?

- (A) Hypothesis (B) Experiment (C) Observations (D) Deduction

iv. Plasmodium is an example of?

- (A) Plantae (B) Protista (C) Fungi (D) Animalia

v. Which one is the Basic Unit of Classification?

- (A) Genus (B) Species (C) Order (D) Family

vi. Which one of the following has both cytoplasm & Cell wall?

- (A) Muscle Cell (B) Red Blood Cell (C) Root Hair Cell (D) Xylem Vessel

vii. The division of Cytoplasm is called?

- (A) Karyokinesis (B) Cytokinesis (C) Plasmolysis (D) Osmosis

viii. In which one of the following Meiosis takes place?

- (A) Testes (B) Lungs (C) Heart (D) Stomach

ix. Photosynthesis is combination of two words.

- (A) Greek (B) Latin (C) English (D) None of these

x. In which one of the following Glycolysis Takes place?

- (A) Cell Wall (B) Nucleus (C) Cytoplasm (D) None of these

xi. Which substance is used by plants to make proteins?

- (A) Carbon Dioxide (B) Oxygen (C) Nitrates (D) Vitamins

xii. Which cells of Blood are responsible for clotting?

- (A) Platelets (B) Erythrocytes (C) Neutrophils (D) Basophils