

# **BIOLOGY**

## **(Practical)**

Time Allowed : 3 Hrs.

Max. Marks 25

### *General Instructions :-*

1. All the questions are divided into two sections. Section A and Section B. Perform any two experiments from Section-A.
2. All the questions of Section-B are compulsory.

### **SECTION-A**

- Q1. Perform an experiment to study the soil samples from different sites for their texture and moisture content. (3)
- Q2. Perform an experiment for the study of plant population density by quadrat method. (3)
- Q3. Perform an experiment to study pH and water holding capacity of soil. (3)
- Q4. Perform an experiment to study pH clarity and presence of any living organism from different samples of water. (3)

### **SECTION-B**

- Q5. Prepare a slide to show pollen germination. (2)
- Q6. Prepare temporary mount of onion root tip for the study of mitosis. (2)
- Q7. Identify, comment and draw well labelled diagrams of slides and specimens A, B, C and D. (1½+1½+1½+1½)
- Q8. Record of Investigatory Project and Viva based on the project. (5)
- Q9. Practical record and viva based on the experiments. (4)