

Roll No. ....

Total No. of Questions : 10]

[Total No. of Pages : 02

J-723 [5368]

[2126]

**B.Pharmacy (Semester - 1<sup>st</sup>)**

**REMEDIAL BIOLOGY (PHM - 1.1.2 (B))**

Time : 03 Hours

Maximum Marks : 80

**Instruction to Candidates:**

- 1) Section - A is **compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Three** questions from Section - C.

**Section - A**

**Q1)**

**(15 x 2 = 30)**

- a) Give examples of any 2 one celled organisms.
- b) What are the non-living substances in the cell.
- c) What are the different types of meristematic tissues and where are they found.
- d) What are internodes.
- e) What are the differences between Runner & Sucker.
- f) What are Insect trapping leaves. Give examples.
- g) Define meiosis.
- h) Why are lysosomes called the suicidal bags of the cell.
- i) What type of mouthparts does housefly have.
- j) What is the disease caused by *Entamoeba histolytica*.
- k) List the body parts of taenia.
- l) Name the intermediate host of *Schistosoma*.

**P.T.O.**

- m) What are the different stages in life cycle of mosquito.
- n) What are the differences between a simple and compound leaf.
- o) What are the functions of root tip & root cap.

### **Section - B**

**(4 x 5 = 20)**

- Q2)** Describe the structure of a proglottid of Teania.
- Q3)** Describe the different types of roots.
- Q4)** Describe the structure of a plant cell.
- Q5)** Write the life cycle of Schistosoma.
- Q6)** Give the characteristics of meristematic tissues.

### **Section - C**

**(3 x 10 = 30)**

- Q7)** Describe the life cycle of ascaris.
- Q8)** Discuss briefly the different stem modifications.
- Q9)** Describe the process of mitosis.
- Q10)** Describe the life cycle of Trypanosoma.

