SECTION "B" (Short Answer Question) Marks: 18

2. Answer any NINE part questions. All part question carries equal marks..

i) Why Lysosome is called suicidal sac?

ii) Why are chloroplast and mitochondria considered as semi-autonomous organelles?

iii) Write a note on any one of the following:

* CAM Plants * C_4 Plants

iv) Why photorespiration considered as wasteful process?

v) What are the symptoms of AIDS?

vi) What are the various methods of control harmful bacteria?

vii) Differentiate between Gram positive and Gram negative bacteria.

viii) How prokaryotea are different from eukaryotes?

ix) What features allow fungi to survive in all environments?

x) Give botanical names of any two of the following:

* Tulsi * Amaltas * Mulethi * Mako

xi) Write three steps in evolution of seed.

xii) Why cold treatment is necessary for germination of seed in some plants?

xiii) Differentiate between Monocotyledon and Dicotyledon.

xiv) Define Cymose Inflorescence.

Section C (Detailed –Answer Question) (18)

NOTE: Attempt any TWO question from this section.

All questions carry equal marks.

3. Describe the life cycle of fern OR Flowering plants.

4. Describe Cyclic and Non-cyclic phosphorylation during light reaction. OR Explain the structure and composition of Cell Wall.

5. Define Ascent of Sap. Describe the cohesion and tension theory of water movement through xylem.

6. What are Bacteria? Describe the structure of bacteria with the help of labelled diagram.

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