

Deuteromycota Ascomycota

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

2. Answer any NINE part questions. All questions carry equal marks.
- According to Webbed Timmy, how many-veined leaves evolved?
  - Write the role of any one macro nutrient in plant growth.
  - How plants cope with High temperature?
  - Name various divisions of fungi with one example each.
  - Enlist any four adaptations in xerophytes to cope with water shortage.
  - Write a note on different pathways for water to enter into Xylem.
  - Name structural components of xylem and phloem.
  - Classify Virus on the basis of Capsid.
  - Why ATP is called common energy currency of living system?
  - How annual rings are formed?
  - Name various groups of plants on the basis of osmotic adjustment.
  - Mention the role of Apical meristem.
  - Explain the movement mechanism of Cilia and Flagella.
  - Write significance of differential staining.

## Section C (Detailed –Answer Question) (18)

**NOTE:** Attempt any THREE question from this section.

All questions carry equal marks.

3. Draw and describe the life cycle of Moss or Fern.

4. Describe oxidative degradation of Pyruvic Acid.

OR Explain the light dependent reaction with reference to Electron transport chain and formation of ATP.

5. What are growth regulators? Give their names and explain the role of Auxins?

6. How does E. Munch hypothesis explain the translocation of food in plants?

7. Explain the chemical composition of Plasma membrane. Also describe its functions in regulating cell's interaction with environment.