

**BT 204 & 205 Plant Morphology and Anatomy**

Time: **2 hours**

Answer **FOUR** questions only choosing **TWO** from each section

**Part A**

1. a) What is an "inflorescence"?
- b) Explain briefly the different types of cymose inflorescence with suitable examples.
2. Distinguish between the following with suitable examples.
  - a) Cyathium and Hypanthodium
  - b) Sorosis and syconium
  - c) Pinnately and palmately compound leaf
3. Write short notes on **any two** of the following.
  - a) Underground stem
  - b) Carnivorous plants
  - c) Plant climbers

**Part B**

4. Distinguish between:
  - a) Simple pits and bordered pits.
  - b) Stomata and lenticels.
  - c) Collenchyma and sclerenchyma
5. a) What is an epidermis?
- b) List the major functions of the epidermis.
- c) Explain the characteristic features of an epidermis and discuss the variations found in plants.
6. a) Explain what is meant by secondary growth in plants.
- b) Discuss briefly the origin and functions of the cambium in a dicot stem.
- c) How does secondary growth in roots differ from that of stems in dicots?