



BT 201, Plant Structure and Systematics

Answer all questions

Time: 02 hours

1. Compare the followings

- (a) Holotype and Isotype in *Type specimens*.
- (b) Indented key and Bracket key.
- (c) Primary growth and secondary growth of plant stem.

(30 minutes)

2. (a) What is a Herbarium?

- (b) Briefly explain the functions of Herbarium.
- (c) List the components/parts of a herbarium specimen (sheet) and their importance/s.

(30 minutes)

3. (a) Briefly describe the types of "compound leaves".

- (b) Write short notes on "cymose" inflorescence.
- (c) List different types of root modification by giving suitable examples.

(30 minutes)

4. Compare the followings

- (a) Artificial classification and Natural classification
- (b) Vernacular name and Scientific name
- (c) Axil placentation and Marginal placentation
- (d) Compound fruits and Aggregate fruits

(30 minutes)