

Total No. of Printed Pages: 2

**SUBJECT CODE NO: - Y-2038**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. F.Y (Sem-I)**  
**Examination March / April - 2023**  
**Botany Paper-II Morphology of Angiosperms**

[Time: 1:30 Hours]

[Max. Marks: 50]

Please check whether you have got the right question paper.

- N. B
- 1) Attempt all questions
  - 2) Illustrate your answer with suitable labelled diagram.

Q1 Define leaf & explain modifications of leaf. 20M

**OR**

Explain modifications of Roots.

Q2 Define fruit & explain types of simple fruit. 20M

**OR**

Write short notes on (any four)

- a) Pitcher
- b) Types of Roots
- c) Bulb
- d) Umbel inflorescence
- e) Epigynous flower
- f) seed dispersal by animal

Q3 Multiple choice questions: 10M

1. Tap root is commonly found in \_\_\_\_\_.  
a) Monocotyledons      b) Dicotyledons      c) Bryophytes      d) All of these
2. Leaf tendrils are bound in \_\_\_\_\_.  
a) Pisum sativum      b) Passiflora      c) Melia azadifacta      d) Acacia nilotica
3. Verticillaster is a type of \_\_\_\_\_.  
a) Inflorescence      b) Flower      c) Fruit      d) seed

4. A flower is said to be complete when it has \_\_\_\_\_.
  - a) calyx & corolla
  - b) Androecium & gynoecium
  - c) calyx, corolla, Androecium
  - d) calyx, corolla, Androecium & gynaecium
5. Vexillary aestivation is found in \_\_\_\_\_ Corolla.
  - a) Infundibulum
  - b) Bilabiate
  - c) cruciform
  - d) papilionaceous
6. Internode between corolla & Androecium and androecium & gynoecium is called as \_\_\_\_\_.
  - a) Androphore
  - b) Gynophore
  - c) Gyandrophore
  - d) All of these
7. Drupe is a type of \_\_\_\_\_.
  - a) seed
  - b) Flower
  - c) Fruit
  - d) Inflorescence
8. Sharp apex of leaf is called as \_\_\_\_\_.
  - a) Acute
  - b) obtuse
  - c) Acuminate
  - d) cuspidate
9. Stalk of inflorescence is called as \_\_\_\_\_.
  - a) pedicel
  - b) petiole
  - c) peduncle
  - d) Rachis
10. In bicarpellary, apocarpous condition, Carpels are \_\_\_\_\_.
  - a) Two & united
  - b) Two & free
  - c) Three & united
  - d) Three & free