

2025

(FYUGP)

(3rd Semester)

BOTANY

(Major)

Paper Code : BCC-05

(Morphology and Anatomy of Angiosperms)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Describe the structure and classification of fruits. 15

OR

2. Explain the different types of stems and their modifications with suitable examples. 15

(2)

3. Describe the detailed structure of a flower and its floral parts in relation to arrangement and relative position. 15

OR

4. Explain the different types of aestivation and placentation in flowers. 15

5. Explain the classification and structure of plant tissues. 15

OR

6. Write short notes on the following : 5×3=15

(a) Glands in plants

(b) Laticifers

(c) Hydathodes

7. Describe the arrangement of primary tissues in dicot and monocot stem with neat labelled diagrams. 15

OR

8. Write short notes on the following : 15

(a) Seasonal activity of cambium

(b) Sapwood and heartwood

(3)

9. Write short notes on any *two* of the following : $7\frac{1}{2} \times 2 = 15$

- (a) Modified roots
- (b) Cohesion and adhesion of floral parts
- (c) Trichomes in plants

OR

10. Write short notes on any *two* of the following : $7\frac{1}{2} \times 2 = 15$

- (a) Secondary growth in dicot stem
- (b) Types of vascular bundles
- (c) Flower as a modified shoot

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