

2303080403030002
Examination March 2024
MASTER OF SCIENCE (BOTANY) (THIRD SEMESTER)
PHYTOMORPHOLOGY

[Time: Three Hours]

[Max. Marks: 70]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **MASTER OF SCIENCE (BOTANY) (THIRD SEMESTER)**
 - b. Name of the Subject : **PHYTOMORPHOLOGY**
 - c. Subject Code No : **2303080403030002**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 What are adventitious roots? Give its modification with suitable examples and their functions. **18**

OR

Q.1 Explain Inflorescence. What is the difference between Spike and raceme? Describe Special types of Inflorescence with examples.

Q.2 Attempt any two of the following: **18**

- a. History of Taxonomy.
- b. Describe types of Classification.
- c. Describe classification and general characters of family Aristolochiaceae.

Q.3 Attempt any two of the following: **18**

- a. What is phyllotaxy? Why is phyllotaxy important? Explain types of phyllotaxy with suitable examples.
- b. Describe types of Aestivation with suitable examples.
- c. Describe Plant Nomenclature.

Q.4 Attempt any two of the following: **16**

- a. Define Flower. Give difference between Actinomorphic and zygomorphic flower.
- b. APG System of Classification.
- c. Describe the various types of placentation found in flowering plants.
