

FYUGP/4th Sem/26(NEP)/New
2026

Four Year Under Graduate Programme (FYUGP)

4th Semester Examination (Under NEP)
(New Session 2024-25)

BOTANY (Major)

Paper Code : BOTMJ DC-403

[Systematics of Angiosperms]

Full Marks : 30

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

1. Answer any six questions :

1×6=6

- (i) Name the largest herbarium of India.
- (ii) Give the full form of OTU.
- (iii) What is gynobasic style?
- (iv) Define the term *sensu lato*.
- (v) Who proposed artificial system of classification?
- (vi) Define Biological species concept.
- (vii) Name the largest member of Poaceae.

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(2)

(viii) What type of stipules found in Rubiaceae?

(ix) Write down the standard size of a herbarium sheet.

2. Answer any *one* question :

6×1=6

✓(A) What is a herbarium? State the importance of herbarium in taxonomy study. What is a 'key'? Give an example.

1+3+1+1

Or

(B) Describe flora, monograph and taxonomic journals as important tools for plant documentation.

3. Answer any *one* question :

6×1=6

✓(A) What is a typification? Discuss the different type specimens used to describe in taxonomy.

1+5

Or

(B) State the rules of valid and effective publication. Mention the regulation of principle of priority.

3+3

4. Answer any *one* question :

6×1=6

✓(A) Define classification. Compare artificial, natural and phylogenetic system of classification.

1+5

Or

(B) What is numerical taxonomy? State the importance of numerical taxonomy.

2+4

(3)

5. Answer any *one* question :

6×1=6

- (A) What is a phylogeny? Mention the importance of phylogeny for illustrating the evolutionary relationship. 2+4

Or

- (B) With suitable floral diagram and floral formula, write down the salient features of the family Brassicaceae. Name two economic important plants of Brassicaceae. 4+2
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