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**0403E1398**

Candidate's Seat No : \_\_\_\_\_

**MSc Sem.-1 Examination**

**403**

**Botany**

**Time : 2-30 Hours]**

**February-2025**

**[Max. Marks : 70**

*Instructions: 1. All Question carries equal mark and Write your Que/Ans. Number properly in Answersheet.  
2. Draw neat and labelled diagram where it necessary.*

Que:1. Describe Pistil ,Types of Placentation and explain Nymphaea Placentation. .( 14 Marks )

OR

Que:1 (a) Describe Venetion type. ( 07 Marks )

(b) Describe Compound leaves and its Pinnate type. ( 07 Marks )

Que:2. Explain Merits and Demerits of Hutchinson Classification. ( 14 Marks )

OR

Que:2 (a). Describe :Throny Forest ( 07 Marks )

(b). Describe: Cyperace family. ( 07 Marks )

Que:3. Role of Botanical Garden in Taxonomy.Major Gardens in India. ( 14 Marks )

OR

Que:3 (a). Embryology and Taxonomic evidences. ( 07 Marks )

(b). Cladograms in Numerical Taxonomy. ( 07 Marks )

Que:4. Explain Stomata and trichomes in Angiosperms ( 14 Marks )

OR

Que:4. (a). Collection in Herbarium Techniques. ( 07 Marks )

(b). Online identification Websites. ( 07 Marks )

(P.T.O)

\Que: 5. Give short answer of Following ( Any 07 out of 12 each of 02 marks) ( 14 Marks )

- (a). What is Aerial Root ?Give Example .
  - (b). What is Spines and its role ?
  - (c). Give Two examples of Stem modification ?
  - (d). Give Two name of Taxonomist Whom Classify Phylogenetic Classification System.
  - (e). Define : Cladistics.
  - (f). Who is father of Plant Taxonomy and Anatomy.
  - (g). What is LS and TS in Anatomy.
  - (h). Give two name of Preservation used in Herbarium Techniques.
  - (i). Give Two examples of Oils obtain seeds.
  - (j). Give Two Botanical Name of plant of Family Amaranthaceae.
  - (k). Give FAA formation and ratio for plant preservation.
  - (l). Give Two peculiarities of Fig flower and fruit.
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