

D 31102

(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2022**

(CBCSS)

Botany

**BOT 3C 08—ANGIOSPERM MORPHOLOGY, ANGIOSPERM TAXONOMY AND
PLANT RESOURCES**

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

I. Answer any four questions :

- 1 Distinguish between monophyly and polyphyly.
- 2 What is the significance of Kew Garden ?
- 3 What do you mean by author citation. Give an example.
- 4 What is parietal placentation ? Name a family having parietal placentation.
- 5 What do you mean by APG system ?
- 6 List out any two situations for rejection of plant names
- 7 Correct the botanical name given below :

V. Trifolia Var simplicifolia Cham.

II. Write short essay on any four questions :

(4 × 2 = 8 weightage)

- 8 Write short notes on chemotaxonomy.
- 9 Describe the different types of ovary in angiosperms.
- 10 What are the principles in numerical taxonomy ?
- 11 Distinguish between qualitative and quantitative characters by citing examples.
- 12 Describe the significance of DNA barcoding in plants.
- 13 Give an account on taxonomic hierarchy.
- 14 What is rule of priority ? What are its limitations ?

(4 × 3 = 12 weightage)

Turn over

II. Write an essay on any *two* of the following :

- 15 Describe the techniques involved Herbarium preparation
- 16 Explain the significance of cytology in Taxonomy
- 17 Briefly explain the origin and evolution of structure and morphology of Angiosperm
- 18 Briefly describe the systems of classification.

(2 × 5 = 10)