D 150263 **(Pages : 2)** **Name.....**

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE (CBCSS) REGULAR / SUPPLEMENTARY EXAMINATION, NOVEMBER 2026

Botany

BOT3C08—ANGIOSPERM MORPHOLOGY, ANGIOSPERM TAXONOMY AND PLANT RESOURCES

(2019 Admission onwards)

Time : Three Hours Maximum : 30 Weightage

Section A – Short answer type questions.

Answer any **four** *questions.*

1. What is meant by the origin and place of origin of angiosperms ?
2. What is the APG system of classification ? Mention its basis.
3. Define convergence and give one botanical example.
4. What is a taxonomic character ? Distinguish between good and bad characters.
5. What is author citation in botanical nomenclature ?
6. What is a monograph ? Mention its importance in taxonomic studies.
7. Name the useful parts and major products of cotton and jute.

(2 × 4 = 8 weightage)

Section B - Short essay type questions.

Answer any **four** *questions.*

8. Explain the role of floral anatomy in understanding the evolution of floral organs.
9. Describe the evolution of placentation in angiosperms.
10. Explain the concept of species and discuss its importance in taxonomy.
11. Describe character weighting and correlation of characters in taxonomy.
12. Explain the importance of DNA barcoding in plant identification.
13. Compare the major features and uses of regional and national herbaria.
14. Describe the important chemical constituents and uses of tea, coffee and cocoa.

(3 × 4 = 12 weightage)

Turn over

Section C - Long essay type questions

Answer any **two** *questions.*

15. Discuss the origin and evolution of stamens, nectaries and nectar, and explain their significance in pollination biology,

16. What is biosystematics ? Explain its major features.

17. Give an account of the history and development of plant taxonomy in India, with special reference to the Botanical Survey of India and botanical gardens.

18. Give a comparative account of important medicinal plants with reference to their useful parts, major chemical constituents and medicinal importance.

(2 × 5 = 10 weightage)

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