

D 10577

(Pages : 2)

Name.....

Reg. No.....

FIFTH SEMESTER U.G. DEGREE EXAMINATION, NOVEMBER 2021

(CBCSS—UG)

Botany

BOT 5B 07—ANGIOSPERM, MORPHOLOGY AND SYSTEMATICS

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A*Answer at least **eight** questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

1. Define Epigynous flower.
2. What is Chemotaxonomy ?
3. What is cyathium inflorescence ?
4. What are monographs ?
5. Differentiate holotype and isotype.
6. Write the peculiarities of typical Lamiaceae flower.
7. What is artificial system of classification ? Give an example.
8. Write an account on Author citation.
9. What is retinaculum ? Name the family in which it is seen.
10. Comment on the distinguishing characters of Annonaceae.
11. Mention the role of Botanical Gardens in Taxonomic studies.
12. Give a brief account on the importance of systematics.

(8 × 3 = 24 marks)

Section B*Answer at least **five** questions.**Each question carries 5 marks.**All questions can be attended.**Overall Ceiling 25.*

13. Give an account on branching in Solanaceae.
14. "Flower as a modified shoot". Discuss.

Turn over

15. Explain APG system of classification.
16. Briefly explain the contributions of eminent taxonomist EK Janaki Ammal.
17. Give a comprehensive account of dry dehiscent fruits with example.
18. Give an account on the advance characters of Poaceae.
19. Describe the morphology of tendril in Cucur.

(5 × 5 = 25 marks)

Section C

*Answer any **one** question.*

The question carries 11 marks.

20. What are the salient features of Orchidaceae ? Very diverse and ingenious methods of pollination are employed by orchid flowers. Discuss.
21. What is herbarium ? Write an essay on herbarium technique and its significance. Mention two major herbaria in India.

(1 × 11 = 11 marks)