

D 51723

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Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2023**

Botany

BOT 3B 03—PHYCOLOGY, BRYOLOGY AND PTERIDOLOGY

(2019—2022 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A*Answer all questions, each question carries 2 marks.**Ceiling : 20 marks.*

1. What are Indusia ?
2. Differentiate between isogamy and anisogamy.
3. What is Apogamy ?
4. Mention the importance of cyanobacteria in agriculture.
5. Comment on the structure of cystocarp in Polysiphonia.
6. Briefly evaluate the sporophyte of Riccia.
7. State the characteristics of a diatom cell.
8. Give an account of the features of Bryophyte.
9. What is glossopodium? Cite a suitable example.
10. Describe the types of reproduction seen in Vaucheria.
11. What is Actinostele ?
12. Write two examples of fossil Bryophytes.

Turn over

Section B

Answer all questions, each question carries 5 marks.

Ceiling : 30 Marks.

13. Draw the structure of a mature sporophyte of Funaria
14. Write an account of the pigments in different classes of algae
15. Explain the anatomy of Equisetum stem
16. Explain the structure of sporophyte of Anthoceros
17. What is Heterospory ? 'Heterospory leads to seed habit'. Comment on it
18. Describe the importance of Carrageenan and Algin
19. Describe the structure of strobilus in Equisetum.

Section C

Answer any one question, each question carries 10 marks.

20. Explain the economic importance in algae.
21. Give an account of stelar evolution in Pteridophytes.

(1 × 10 = 10 marks)