

B.M.S COLLEGE FOR WOMEN AUTONOMOUS
BENGALURU – 560004

END SEMESTER EXAMINATION – SEPTEMBER / OCTOBER 2022

B.Sc - II Semester
Botany-Diversity of Non-Flowering Plants

Course Code: BOT2DSC02

Duration: 2 ½ Hours

QP Code: 2018

Max marks: 60

Instructions: 1. Answer all the sections.

2. Draw diagrams wherever necessary.

SECTION-A

I. Answer any FIVE of the following. Each question carries TWO marks. (5x2=10)

1. Mention the pigments present in Cyanophyceae.
2. What are cap cells? Where are they found?
3. Write any four general characters of Bryophytes.
4. What is homospory and heterospory? Give an example.
5. Give any four economic importance of gymnosperms.
6. What is eccentric growth? Give an example.
7. Name the two species of *Rhynia*.
8. What is impression?

SECTION-B

II. Answer any FOUR of the following. Each question carries FIVE marks. (4x5=20)

9. Flower of *Cycadeoidea*.
10. Anatomy of *Anthoceros* thallus with diagram.
11. Globule of *Chara*.
12. L.S of mature ovule in *Gnetum*.
13. T.S. of stem in *Selaginella*.
14. Draw a neat labelled diagram of T.S of *Pinus* needle.

SECTION-C

III. Answer any THREE of the following. Each question carries TEN marks. (3x10=30)

15. Write the complete outline of Palaeozoic and Mesozoic era.
16. Describe sporophyte of *Funaria*.

17. Stellar evolution in Pteridophytes.
18. Asexual reproduction in Algae.
19. Note on: a) Process of Fossilization.
b) Cystocarp of *Polysiphonia*.

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