

M.Sc. DEGREE EXAMINATION, NOVEMBER 2018
I Year I Semester
Core Major -II
BRYOPHYTES, PTERIDOPHYTES, GYMNOSPERMS AND
PALEOBOTANY

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Alternation of generation
2. Frond.
3. Hornworts
4. Eusporangiate
5. Trabaculae
6. Ovule of *Podocarpus*
7. Apospory
8. Coniferales
9. Haplostele
10. Birbal Sahni
11. Peat mass
12. Cordaites

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Explain the structure of gametophyte of *Porella*.
14. Outline the classification of Pteridophytes by Reimer.
15. Write brief notes on heterospory with suitable example.
16. Briefly write notes sporophyte of *Psilotum*.
17. List out the economic importance of gymnosperms.
18. Explain the general characteristics of *Sphenophyllum* with diagram.
19. Give a brief account on role of fossils in understanding evolution.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Explain the structure and reproduction of ***Lunularia*** with diagram.
21. Give a detailed account on stellar evolution in Pteridophytes.
22. Describe the structure and reproduction of ***Osmunda***.
23. Explain the male and female strobili of ***Ephedra*** with neat diagram.
24. Write an account on Gondwana flora of India.

M.Sc. DEGREE EXAMINATION, NOVEMBER 2018
I Year I Semester
Core Major -II
BRYOPHYTES, PTERIDOPHYTES, GYMNOSPERMS AND
PALEOBOTANY

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Alternation of generation
2. Frond.
3. Hornworts
4. Eusporangiate
5. Trabaculae
6. Ovule of *Podocarpus*
7. Apospory
8. Coniferales
9. Haplostele
10. Birbal Sahni
11. Peat mass
12. Cordaites

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Explain the structure of gametophyte of *Porella*.
14. Outline the classification of Pteridophytes by Reimer.
15. Write brief notes on heterospory with suitable example.
16. Briefly write notes sporophyte of *Psilotum*.
17. List out the economic importance of gymnosperms.
18. Explain the general characteristics of *Sphenophyllum* with diagram.
19. Give a brief account on role of fossils in understanding evolution.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Explain the structure and reproduction of ***Lunularia*** with diagram.
21. Give a detailed account on stellar evolution in Pteridophytes.
22. Describe the structure and reproduction of ***Osmunda***.
23. Explain the male and female strobili of ***Ephedra*** with neat diagram.
24. Write an account on Gondwana flora of India.