

M.Sc. DEGREE EXAMINATION, NOVEMBER 2019
I Year I Semester
Bryophytes, Pteridophytes, Gymnosperms and Paleobotany

Time : 3 Hours

Max.marks :75

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

Answer any **TEN** questions

1. Gonospores
2. Peat
3. Protostele
4. Syndiploidy
5. Synangium
6. Trabeculae
7. Royal fern
8. Female cone of *Podocarpus*.
9. Birbal Sahni.
10. Impressions
11. Carboniferous period.
12. Apospory.

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

Answer any **FIVE** questions

13. Write notes on economic importance of Bryophytes.
14. Write a brief notes on heterospory and seed habit of Pteridophytes.
15. Draw labelled diagrams of vertical sections of a microsporangium and a megasporangium of *Selaginella*.
16. Describe the economic importance of Gymnosperms.
17. Write notes on Gondwana flora of India.
18. Give a brief account of the structure of the fossil genus *Sphenophyllum*.
19. Write an account on sporophyte of *Lunularia*.

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

Answer any **THREE** questions

20. Give a well-illustrated account of the life cycle of *Funaria*.
21. Give an account of Reimer's classification of Pteridophytes.
22. Describe the morphological nature of spore producing organs of Pteris.
23. Explain the life cycle of *Ephedra* with suitable diagrams.
24. Discuss the necessity of studying fossils in understanding evolution.

M.Sc. DEGREE EXAMINATION, NOVEMBER 2019
I Year I Semester
Bryophytes, Pteridophytes, Gymnosperms and Paleobotany

Time : 3 Hours

Max.marks :75

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

Answer any **TEN** questions

1. Gonospores
2. Peat
3. Protostele
4. Syndiploidy
5. Synangium
6. Trabeculae
7. Royal fern
8. Female cone of *Podocarpus*.
9. Birbal Sahni.
10. Impressions
11. Carboniferous period.
12. Apospory.

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

Answer any **FIVE** questions

13. Write notes on economic importance of Bryophytes.
14. Write a brief notes on heterospory and seed habit of Pteridophytes.
15. Draw labelled diagrams of vertical sections of a microsporangium and a megasporangium of *Selaginella*.
16. Describe the economic importance of Gymnosperms.
17. Write notes on Gondwana flora of India.
18. Give a brief account of the structure of the fossil genus *Sphenophyllum*.
19. Write an account on sporophyte of *Lunularia*.

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

Answer any **THREE** questions

20. Give a well-illustrated account of the life cycle of *Funaria*.
21. Give an account of Reimer's classification of Pteridophytes.
22. Describe the morphological nature of spore producing organs of Pteris.
23. Explain the life cycle of *Ephedra* with suitable diagrams.
24. Discuss the necessity of studying fossils in understanding evolution.