

Mid-West University
Examinations Management Office
Final Examinations -2078

Bachelor level/ B.Sc/ 1st Semester
Time: 3hrs

Full Marks : 60
Pass Marks.: 30

Subject : Cryptogams (BOT411/311)

Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.

Group – A

Attempt all the long questions: (4x8 = 32]

1. Give general account on life cycle of *Agaricus* with well labeled diagram.
2. Give a detailed outline of classification of algae proposed by F. E. Fritsch.
3. Explain the structure of sporophyte of *Anthoceros* with detailed diagram.

OR

Describe the life cycle of *Lycopodium* with diagrammatic representation.

4. Discuss the morphological diversity of bryophytes with example.

Group – B

Answer the questions in brief: [7x3=21]

5. Explain the economic importance of algae.
6. Draw the diagrammatic lifecycle of *Riccia*.
7. Write short note on reproductive organs of bryophyte.

OR

Clarify the term “alternation of generation” with the reference to Pteridophytes (Diagrammatic sketch is compulsory).

8. How does the *Chlamydomonas* reproduce sexually?
9. Draw the T.S. of *Equisetum* (explanation not required).

10. Describe the life cycle of *Albugo*.

11. Draw the well labeled diagram of V.S. of Apothecium (explanation not required)..

Group – C

Attempt any seven questions in very short. [7x1 =7]

12. Why Duteromycetes is called imperfect fungi?
13. Mention the function of Pyrenoids.
14. Draw the simple sketch of Plectostele.
15. Define primary mycelium.
16. Write the peculiar features of the rhodophyceae.
17. Write two names of fungi that causes disease in plant.
18. What is the significance of heterospore?
19. List out the asexual reproduction of algae.
20. Why lichen is called indicator of pollution?

THE END