

S.NO. 346

BATCH: 2002 - 2016

Reg. No.

END OF SEMESTER EXAMINATIONS, NOVEMBER - 2017

5

PLANT DIVERSITY - II

SUBJECT CODE: 14UABO02

MAJOR: B.Sc. (Botany)

TIME : 3 HOURS

SEMESTER : II

MAX. MARKS: 75

SECTION - A (10 X 1 = 10)

Answer ALL the Questions:

1. Mention any two characters in which Liverworts differ from Mosses.
2. Name a free-floating aquatic species of Riccia.
3. Mention any two species of Anthoceros which produce tubers for Vegetative propagation.
4. In which bryophyte Pyrenoid are present in Chloroplast.
5. Name the common name of Lycopodium.
6. What is ligule?
7. Write the name given to the spore producing organ of Marsilea.
8. Which type of ovules were present in Williamsonia.
9. Name an eminent Indian Scientist who has contributed to lot of living and fossil gymnosperm.
10. Mention the other name of female flower of Gnetum.

SECTION - B (5 X 5 = 25)

Answer Any FIVE Questions:

11. Describe the structure of the Sporophyte of Riccia.
12. Give an illustrated account of the structure of mature archegonium of Porella.
13. Describe the anatomy of Anthoceros thallus.
14. Draw the structure of spore bearing organ of Lycopodium and Explain it.
15. Draw labelled diagram transverse section of stem of Selaginella.
16. Describe the L.S. of Spike of Ophioglossum.
17. Explain the anatomy of leaflet of Cycas.

SECTION - C (5 X 8 = 40)

Answer Any FIVE Questions:

18. Describe the Sporophyte of Anthoceros with the help of suitable diagram.
19. Give a brief account of Stelar variation in the Stem of Lycopodium.
20. Explain the anatomy of internode of Equisetum stem.
21. With the help of labelled diagram describe the Sporocarp of Marsilea.
22. Give a detailed account of the anatomy of Cycas rachis.
23. Draw labelled diagram of ovule of Gnetum and Explain it.
24. Give a brief account of Lepidodendron.
