

16P129

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Name: .....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2016**

(Regular/Supplementary/Improvement)

(CUCSS-PG)

**CC15P BO1 C01 – PHYCOLOGY, BRYOLOGY, PTERIDOLOGY AND GYMNOSPERMS**

(Botany)

(2015 Admission Onwards)

Time: Three Hours

Maximum: 36 Weightage

**I. Answer all questions briefly:**

1. Write a note on Carposporophyte.
2. What is eye spot in Algae?
3. Comment on flagella in Algae.
4. What are the different types of photosynthetic pigments in Algae?
5. Write a short on Gemma Cup.
6. Differentiate between elaters and pseudoelaters.
7. Write a note on Hornworts.
8. Mention the salient features of Rhyniales.
9. What is trabecula?
10. Define apogamy.
11. Write a short note on Quillwort.
12. Comment on Corolloid root.
13. Write a note on Spur shoots of *Ginkgo*.
14. Comment on the leaves of Glossopteridales.

**(14 x 1 = 14 weightage)**

**II. Answer any 7 questions each in not more than 100 words:**

15. Give a brief outline of Fritsch's classification.
16. Describe briefly alternation of generation in Pteridophyta.
17. Describe the affinities of Calobryales.
18. What are the different types of food reserves in algae?
19. Write a short note on the economic importance of Phaeophyceae.
20. What are the different stellar types in Lycopodiales?
21. Write short note on the general characters of Bryophytes.
22. Discuss briefly the cytological studies in Pteridophytes.

23. Discuss the affinities of gymnosperms.

24. Write down the characteristic features of Cycadeoidales.

**(7 x 2 = 14 weightage)**

**III. Answer any 2 questions in 300 words:**

25. Explain various modes of reproduction in Algae.

26. Discuss the economic importance of Bryophytes.

27. Write an essay on the origin and evolution of sporangium in Pteridophytes.

28. Describe the characteristic features of Ginkgoales and discuss the affinities.

**(2 x 4 = 8 weightage)**

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