

17P134

(Pages:2)

Name:

Reg. No.

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2017

(Regular/Supplementary/Improvement)

(CUCSS-PG)

CC15P BO1 C01 – PHYCOLOGY, BRYOLOGY, PTERIDOLOGY AND GYMNOSPERMS

(Botany)

(2015 Admission Onwards)

Time: Three Hours

Maximum: 36 Weightage

PART A

Answer *all* questions briefly. Each question carries 1 weightage.

1. Write a note on Desmids.
2. Explain role of algae in industry.
3. Briefly explain energy sources in algae.
4. Stone worts.
5. Give an account on Osmunda spike.
6. Write a note on affinities of sphagnum.
7. Explain Perigynium.
8. Write a note on Bog moss.
9. Explain Phyletic swing and Phyletic slide.
10. Write a note on King fern.
11. Describe gradate sorus.
12. Mention the features of Glossopteridales.
13. Comment on Ephedrin.
14. Write a note on the importance of Ginkgoales.

(14 x 1 = 14 weightage)

PART B

Answer any *seven* questions each in not more than 100 words. Each question carries 2 weightage.

15. Explain range of thallus variation in Chlorophyceae.
16. Describe features of Schizeales.
17. Briefly describe Chloroplast, Pyrenoid and eyespot in algae.
18. Give an account on fossil bryophytes.
19. Write the salient features of Andreales.
20. Give an account on economic importance of Pteridophytes.
21. Briefly describe apospory and its causes in Pteridophytes.
22. Discuss the reproduction in Gnetales.

23. Write a note on Chamberlain system of classification.

24. Describe the peculiarities of Welwitschiales.

(7 x 2 = 14 weightage)

PART C

Answer any *two* questions in 300 words. Each question carries 4 weightage.

25. Discuss the various lifecycle patterns in algae.

26. Give an account on general characters and classification of bryophytes.

27. Write an essay on polyploidy in ferns.

28. Give a detailed account on the Economic importance of Gymnosperms.

(2 x 4 = 8 weightage)

(14 x 1 = 14 weightage)

PART B

Answer any seven questions each in not more than 100 words. Each question carries 2 weightage.

15. Explain range of thallus variation in Chlorophyceae.

16. Describe features of Schizocleles.

17. Briefly describe Chloroplast, Pyrenoid and eyespot in algae.

18. Give an account on fossil bryophytes.

19. Write the salient features of Andrales.

20. Give an account on economic importance of Pteridophytes.

21. Briefly describe sporophy and its causes in Pteridophytes.

22. Discuss the reproduction in Gnetales.