

Reg. No.....

Name.....

B.SC DEGREE END SEMESTER EXAMINATION OCTOBER 2016
SEMESTER - 1: BOTANY (COMPLEMENTARY)
COURSE: U1CPBOT1 - CRYPTOGAMS, GYMNOSPERMS AND PLANT
PATHOLOGY

For Supplementary (2014 Admission)

Time: Three Hours

Max. Marks: 60

(Draw diagrams wherever necessary)

I. Answer **all** questions briefly: Each question carries 1 mark.

1. What is Rhizophore?
2. Define a Thallus with suitable example
3. What is the composition of cell wall of Polysiphonia?
4. What is evection?
5. What are endospores?
6. Name a plant virus.
7. What is heterothallism?
8. Define diplobiontic lifecycle.

(1 × 8 = 8)

II Answer **any six** questions.

9. Distinguish between Smooth walled and tuberculate rhizoid.
10. Describe the structure of an Archegonium
11. Differentiate aplanospores and akinetes.
12. Write a note on economic importance of Bacteria.
13. Explain cell division in *Oedogonium*.
14. Describe the structure of apothecium in *Usnea*
15. Describe the economic importance of Fungi.
16. Give a brief account on Cycasovule.

(2 × 6 = 12)

III Answer **any four** questions

17. Describe and illustrate the internal structure of Cycas leaflet
18. Describe the reproduction of Peziza.
19. What is meant by Alternation of generations? Explain with suitable example.
20. Describe the post fertilization changes in *Polysiphonia*

21. Describe the internal structure of *Riccia thallus*
22. Describe asexual and sexual reproduction in *Usnea*

(5 x 4 = 20)

IV Answer **any two** questions

23. Explain the structure and formation of various spores of *Puccinia*

OR

24. Describe the life cycle of a Virus

25. Explain the disease symptoms and control measures of Blast disease of Paddy and Nut fall of Areca nut with their respective parasites

OR

26. Explain the anatomical and reproductive features of *Selaginella*

(10 x 2 = 20)
