E 7833 (Pages : 2) Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, NOVEMBER 2017

First Semester

Complementary Course—Botany

CRYPTOGRAMS, GYMNOSPERMS AND PLANT PATHOLOGY

(For B.Sc. Zoology—Model I)

[2013 to 2016 Admissions]

Time : Three Hours Maximum Marks : 60

Part A

Answer **all** *questions.*
Each question carries 1 *mark.*

1. What is Plakea ?
2. What is the function of akinete ?
3. What is Oogamy ?
4. What is the source of Litmus ?
5. What is Heterospory ?
6. What is Dikaryon ?
7. What is the source of Penicillin ?
8. What is Phialopore ?

(8 × 1 = 8)

Part B

Answer any **six** *questions.*
Each question carries 2 *marks.*

9. What is aegagropilious habit ?
10. What is the function of ligule ?
11. What is fructicose lichen ?
12. What are the pigments seen in Phaeophyceae ?
13. What is telutospore ?
14. Describe the Carbosporophyte of polysiphonia.

Turn over

15. Give an account of stele in Selaginella.
16. Describe binary fission in bacteria.
17. What are the types of rhizoids seen in Ricecia ?
18. What are coralloid roots ?

(6 × 2 = 12)

Part C

Answer any **four** *questions.*
Each question carries 4 *marks.*

19. How apical caps are formed in Odeogonium ?
20. What are the symptoms of leaf mosaic of tapioca ?
21. Explain Cystocarp.
22. Explain the characteristic of Archaebacteria.
23. Write notes on the nutrition of bacteria.
24. What is the function of transfusion tissue ?

(4 × 4 = 16)

Part D

Answer any **two** *questions.*
Each question carries 12 *marks.*

25. Explain the mode of infection of viruses.
26. Describe the importance of bacteria in medicine.
27. Describe the sexual reproduction in Selaginella.
28. Mention the symptoms, causative organism and control measures for the blight disease of rice.

(2 × 12 = 24)