

TB154090A

Reg. No.....

Name.....

B. Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2017
SEMESTER IV - COMPLEMENTARY COURSE (BOTANY)
BO4C04TB - ANATOMY AND APPLIED BOTANY
(For Zoology)

Time: Three Hours

Maximum Marks: 60

PART A

I. Answer all questions. Each question carries 1 mark

1. What are idioblasts?
2. What is phellogen?
3. What is vivipary?
4. What is quarantine?
5. Define callus

(5x1=5)

PART B

II. Answer any five questions. Each question carries 2 marks

6. Differentiate storied and non storied cambium
7. Write any four anatomical modifications of xerophytes
8. How you can differentiate heart wood from sap wood?
9. What are pneumatophores?
10. What are the advantages of plant introduction?
11. What is polyembryony?
12. Enumerate the merits of mass selection
13. Give an account on gootee

(5x2=10)

PART C

III. Answer any five questions. Each question carries 5 marks

14. Differentiate apogamy from apospory
15. Explain the structure of dicot leaf
16. Describe pureline selection procedure
17. Describe the organisation of xylem and phloem
18. Explain the components of tissue culture medium
19. Give an account on secretory tissue
20. What are the ecological adaptations of epiphytes?
21. Give an account on anther culture

(5x5=25)

PART D

IV. Answer any two questions. Each question carries 10 marks

22. Give an account on different non living cell inclusions in plant body
23. Describe the secondary growth occurring in dicot stem with labelled diagrams
24. What are the ecological adaptations of hydrophytes?
25. Describe the different types and procedure of hybridisation

(2x10=20)