

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2022
(Regular/Improvement/Supplementary)

BOTANY: COMPLEMENTARY COURSE FOR ZOOLOGY

GBOT1C01T: ANGIOSPERM ANATOMY AND MICROTECHNIQUE

Time: 2 Hours

Maximum Marks: 60

SECTION A: Answer the following questions. Each carries 2 marks.

(Ceiling 20 Marks)

1. What is plerome?
2. Comment on dermatogens.
3. What are the functions of Sclerenchyma?
4. Differentiate between protoxylem and metaxylem.
5. What are medullary bundles?
6. What is meant by non-porous wood?
7. Comment on storied cambium.
8. What are ray initials?
9. Comment on lenticels.
10. What is FAA?
11. Define resolving power and limit of resolution.
12. What is dehydration in staining?

SECTION B: Answer the following questions. Each carries 5 marks.

(Ceiling 30 Marks)

13. What is meristem? Briefly explain the types of meristems based on position.
14. Briefly explain the primary structure of a monocot stem.
15. Distinguish between storied and non - storied cambium
16. What is periderm and how is it formed?
17. Distinguish between springwood and autumn wood.
18. Describe the primary structure of a dicot root.
19. Write an account on rotary microtome.

SECTION C: Answer any 1 question. Each carries 10 marks.

20. What are permanent tissues? Explain the major classes with their functions.
21. Explain about the principle and types of microscopes.

(1 x 10 = 10 Marks)