D5BBT2305 **Reg. No.....**

Name: .....

FIFTH SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2025

(Regular/Improvement/Supplementary)

BOTANY

GBOT5D02T: APPLIED BOTANY

(OPEN COURSE)

Time: 2 Hours **Maximum Marks: 60**

SECTION A: Answer the following questions. Each carries *two* marks.
(Ceiling 20 marks)

1. What is peat?
2. What is herbicide? Give any two examples.
3. Discuss the merits and demerits of surface irrigation.
4. Comment on compost. Write its benefits.
5. What is impaction? Give examples.
6. What are vegetative propagules? Give examples.
7. State the various components used for air layering.
8. List out the applications of organic manures.
9. Enlist the advantages of bio fertilizer.
10. Comment on seed dormancy. Write its significance.
11. What you meant by the life cycle of mushroom.
12. What is “Shari” in Bonsai?

SECTION B: Answer the following questions. Each carries *five* marks.
(Ceiling 30 marks)

13. Explain the creation of deadwood on Bonsai trees.
14. Describe the advantages and disadvantages of vegetative propagation.
15. Give an account on pesticides and its uses in agriculture.
16. Write an account on algae as bio fertilizer.
17. Differentiate between epigeal and hypogeal germination.
18. Describe different stages of composting.
19. Describe drip irrigation. How it differs from sprinkler irrigation.

SECTION C: Answer any *one* question. The question carries *ten* marks.

20. Explain the creation of Bonsai.
21. Give binomial, family, morphology of the useful part and economic importance of the following:
    a) Pulses.
    b) Beverages.
    c) Fiber.

(1 x 10 = 10 Marks)