

**B. Sc. DEGREE END SEMESTER EXAMINATION - APRIL 2021****SEMESTER –6: BOTANY (CORE COURSE)****COURSE: 15U6CRBOT12: HORTICULTURE, NURSERY MANAGEMENT, EMBRYOLOGY****AND REPRODUCTIVE BIOLOGY***(Common for Regular 2018 admission & Improvement 2017/Supplementary 2017/2016 /2015 admissions)*

Time: Three Hours

Max Marks: 60

**PART A****I. Answer ALL questions; each question carries 1 mark.**

1. What is Seed viability?
2. Name two famous gardens in India
3. What is polyembryony?
4. What is PGPR?
5. Give any two methods in biological control of pests?
6. Name two organic manure?
7. What is vermiwash?
8. What is grafting?

(1 x 8 = 8)

**PART B****II. Answer ANY SIX questions; each question carries 2 marks.**

9. Differentiate surface and drip irrigation.
10. What is indoor garden?
11. What is a rockery?
12. Define syngamy and triple fusion
13. Write a short note on cold frame.
14. Differentiate between hedges and edges.
15. What is pruning? Mention its advantages.
16. Write short note on any two cut flowers used in flower arrangements.
17. How will you prepare tobacco decoction?
18. Write a short note on the use of Rhizobium as a biofertilizer.

(2 x 6 = 12)

**PART C****III. Answer ANY FOUR questions; each question carries 4 marks.**

19. Write a short note on photoblastic seeds.
20. Explain different methods of lawn preparation.
21. Briefly explain seed bed preparation.

- 22. Explain the structure of anther.
- 23. Write a short note on apomixis.
- 24. Write a short note on mist chambers

(4 x 4 = 16)

**PART D**

**IV. Answer ANY TWO questions; each question carries 12 marks.**

- 25. Explain different types of embryosacs.

**OR**

- 26. Explain the vermicomposting.

- 27. Write an essay on different causes of seed dormancy.

**OR**

- 28. Explain endosperm development in dicots.

(12 x 2 = 24)

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