

**B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2023****SEMESTER – 6: B.Sc. BOTANY (CORE COURSE)****COURSE: 15U6CRBOT12EL: HORTICULTURE, NURSERY MANAGEMENT, EMBRYOLOGY  
AND REPRODUCTIVE BIOLOGY***(Common for Supplementary 2015/2016/2017/2018 Admissions)*

Time: Three Hours

Max Marks: 60

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

1. What is pomology?
2. What is registered seed?
3. What is Hardening?
4. What is layering?
5. Comment on secretory tapetum?
6. What is Ruminant endosperm?
7. Comment on generative cell
8. What is coleoptyle?

**(1 x 8 = 8)****PART B****Answer ANY SIX questions; each question carries 2 marks.**

9. What are mist chambers?
10. Describe the procedure for the preparation of vermishash
11. What are organic manures, explain its advantages?
12. What is PSB, explain its uses?
13. What are the advantages and disadvantages of drip irrigation?
14. What is Ikebana flower arrangement?
15. What is pollination syndrome?
16. Differentiate between campylotropus and amphitropus ovules
17. Comment on double fertilization and triple fusion
18. What is self-incompatibility?

**(2 x 6 = 12)****PART C****Answer ANY FOUR questions; each question carries 4 marks.**

19. Briefly explain different disciplines of horticulture
20. Explain different types of grafting
21. Describe different methods of seed testing

22. Describe various types of polyembryony in angiosperms
23. Distinguish dicot and monocot embryo development
24. Explain preparation of plotting mixture (4 x 4 = 16)

**PART D**

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

25. Write an essay on Bonasi preparation, including their design and management
26. Write an essay on biofertilizers and its preparation
27. Describe the structure of mature anther with suitable diagrams
28. Describe different types of embryosac development with suitable diagrams. (12 x 2 = 24)