

**B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2019****SEMESTER – 6 : BOTANY (CORE COURSE)****COURSE: 15U6CRBOT12 : HORTICULTURE, NURSERY MANAGEMENT, EMBRYOLOGY AND  
REPRODUCTIVE BIOLOGY**

*(Common For Regular - 2016 Admission / Supplementary-Improvement 2015 admission)*

Time: Three Hours

Max. Marks: 60

**PART A**I. Answer **all** questions; each question carries ONE mark.

1. What is mist chamber?
2. What is Totipotency?
3. Define self-compatibility.
4. Comment on polyembryony.
5. What is biofertilizer?
6. What is Tapetum.
7. What is Vermiwash?
8. What is parthenocarpy?

(1 x 8 = 8)

**PART B**II. Answer **any Six** Questions; each question carries TWO marks.

9. Differentiate between hedges and edges.
10. Describe air layering.
11. Comment on Endosperm and its function.
12. Name any four common plants used as Cut flower.
13. Differentiate between organic manure and Biofertilizers.
14. Describe PGPR.
15. Explain the scope of floriculture in India.
16. Comment on micro propagation.
17. Explain embryo developments in dicots.
18. Differentiate between T and Patch budding.

(2 x 6 = 12)

**PART C**III. Answer **any Four** Questions: each question carries FOUR marks

19. Describe the advantages and disadvantages of vegetative propagation.
20. Explain Bonsai preparation.
21. Comment on seed certification and seed dormancy.

22. Explain double fertilization and triple fusion in Angiosperms.

23. What are biopesticides? Write down its importance.

24. Describe different types of Pollination.

(4 x 4 = 16)

**PART D**

IV. Answer **any Two** Questions; each question carries TWELVE marks

25. Explain the development of ovule in angiosperm and describe a mature embryo sac.

OR

26. Compare microsporogenesis and megasporogenesis.

27. Describe different garden components.

OR

28. Write an essay on different vegetative propagation methods.

(12 x 2 = 24)

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