

B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2020**SEMESTER – 6: BOTANY (CORE COURSE)****COURSE: 15U6CRBOT12: HORTICULTURE, NURSERY MANAGEMENT, EMBRYOLOGY AND
REPRODUCTIVE BIOLOGY***(Common for Regular 2017 Admission & Supplementary 2016 /2015 Admissions)*

Time: Three Hours

Max. Marks: 60

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

1. What is hedge?
2. Comment on drip irrigation.
3. Define incompatibility.
4. What is apomixis?
5. What is mycorrhizha?
6. What is endosperm?
7. Define seed dormancy.
8. What is triple fusion in angiosperm?

(1 x 8 = 8)

PART B**II. Answer any Six Questions; each question carries 2 marks.**

9. Write the advantages of mist chamber.
10. Describe 'T' budding
11. Describe the structure of a mature embryosac.
12. Name any four biofertilizers.
13. Describe the preparation of Neem decoction.
14. Explain Ikebana.
15. Describe the structure of pollen.
16. Describe hardening.
17. Comment on micro propagation.
18. Explain poly embryony.

(2 x 6 = 12)

PART C**III. Answer any Four Questions: each question carries 4 marks**

19. Describe Bonsai preparation.
20. Describe the advantages and disadvantages of seed propagation.
21. Comment on the importance of the cultivation of medicinal and aromatic plants.
22. Comment on biopesticides and write its importance.

23. Explain the structure of a mature anther with labeled diagram.

24. Describe the structure and function of tapetum.

(4 x 4 = 16)

PART D

IV. **Answer any Two Questions; each question carries 12 marks**

25. Describe Mono, bi and tetra sporic embryosac development and compare.

OR

26. Explain microsporogenesis and megasporogenesis in angiosperms.

27. Write an essay on organic manure, biofertilizers and biopesticides.

OR

28. Describe different types of irrigation methods and explain the advantages and disadvantages of each method.

(12 x 2 = 24)
