Reg. No…….. Name…… **18U639**

B. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2018

SEMESTER **– 6: BOTANY (CORE COURSE)**

COURSE: **15U6CRBOT12EL: HORTICULTURE, NURSERY MANAGEMENT, EMBRYOLOGY AND REPRODUCTIVE BIOLOGY**

(For Regular - 2015 Admission)

Time: Three Hours Max. Marks: 60

PART A

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

1. What is Olericulture?
2. Name any two rooting hormones
3. What is the use of green houses.
4. List any two organic pest traps.
5. What is lkebanas?
6. What is self-incompatibility?
7. What is recurrent Apomixis?
8. Comment on Campylotropous ovule. (1 x 8 = 8)

PART B

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

9. Discuss advantages and disadvantages of usage of organic manures.
10. What is seed certification?
11. What is PGPR, explain its uses?
12. Define seed dormancy.
13. Describe different types of pruning tools.
14. Describe the preparation of any two biopesticides.
15. What is tapetum? Comment on its types.
16. What is Megasporogenesis?
17. Comment on polyembryony
18. Describe bisporic embryosac development (2 x 6 = 12)

PART C

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

19. Explain the scope of Horticulture
20. Discuss the preparation of vermicompost and its advantages.

21. Briefly explain the process of biological pest control.

22. Discuss the scope of embryology in relation to taxonomy.

23. Describe the structure and types of ovules.

24. Add notes on anther wall layers and their functions. (4 x 4 = 16)

PART D

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

25. Explain different methods of Irrigation, its advantages and disadvantages.

OR

26. Explain different methods of artificial vegetative propagation methods in plants.

27. What is endosperm? Describe different types of endosperm formations.

OR

28. Describe the embryo development in Dicotyledons with suitable diagrams.

(12 x 2 = 24)

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