

**SECOND SEMESTER B.Sc. DEGREE (SUPPLEMENTARY/
IMPROVEMENT) EXAMINATION, APRIL/MAY 2015**

(UG-CCSS)

Core Course – Botany

Bo 2B 02 – MICRO TECHNIQUE AND HORTICULTURE

Time : Three Hours

Maximum 30 Weightage

I. Objective Type Questions (include multiple choice, fill in the blanks and answer in a single word)

Answer all *twelve* questions :

Choose the correct answer :

1. Which of the following is a nitrogen containing fertilizer?

- (a) Potash. (b) Urea.
(c) Rajphos. (d) Mussooriphos.

2. Which of the following is not a mordant?

- (a) Hydrogen peroxide. (b) Acetic acid.
(c) Aluminium hydroxide. (d) Iron.

3. A plant propagated by layering is :

- (a) Ficus elastica. (b) Sansevieria.
(c) Zea Mays. (d) Potato.

4. Which of the following is a mitochondrial stain?

- (a) Janus B. (b) Hematoxyline.
(c) Acetocannine. (d) Safranin.

Fill in the blanks :

5. Seed viability can be tested chemically by _____test.

6. In an electron microscope lenses are replaced by _____

7. The cultivated clone of rubber is propagated by

8. Canada Balsam is _____

Answer in a single word :

9. Name a bio-pesticide.

10. Name the liquid manure obtained in vermiculture.

11. Name any whole mounting agent.

12. Give the name of any commercially available rooting hormones.

(12 x ¼ = 3 weightage)

II. Short Answer Questions (Answer all *nine* questions)

13. What is an explant?

14. How magnification is calculated in a compound microscope?

15. Write the components in CRAF.

16. Name a pruning tool.

17. Vermicomposting.

18. What is micropropagation?

19. Relevance of somatic embryos.

20. Poly house.

21. Give the name of any cultivars in Brinjal.

(9 x 1 = 9 weightage)

III. Short Answer or Paragraph questions (Answer any *five* questions from seven) :

22. Write on grafting methods.

23. Describe the method of cultivation of Brinjal.

24. Give an account on Rotary microtome.

25. How smearing is done?

26. Write notes on TEM.

27. Write short notes Bonsai.

28. Multiple shooting.

(5 x 2 = 10 weightage)

IV. Essay Questions (Answer any *two* questions)

29. Write on seed propagation.

30. Give an account of dehydration and infiltration methods.

31. Write notes on different types of fertilizers and vermicomposting.

(2 x 4 = 8 weightage)