FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2016
(CUCBCSS—UG)
BOT 5B 07—EMBRYOLOGY, PALYNOLOGY, ECONOMIC BOTANY, ETHNOBOTANY
AND HORTICULTURE

Time: Three Hours

Maximum: 80 Marks

Section A

Answer all questions.
Each question carries 1 mark.

1. Spawn.
2. Olericulture.
3. Tetrazolium.
5. Anatropous ovule.
6. Double fertilization.
8. Father of ethno botany.
10. Azolla.

(10 x 1 = 10 marks)

Section B

Answer all questions.
Each question carries 2 marks

11. Mention the advantages of organic fertilizers.
12. What is melitopalynology?
13. Write a note on approach grafting.
14. What are the ethno botanical importances of Aegle marmelos?
15. Write down the importance of parthenocarpy.

Turn over
16. Write the binomial of any *two* fibre yielding plants.
17. Name any *four* garden tools.
18. What is tobacco decoction?
19. Mention the binomial and family of nutmeg.
20. What are the advantages of hanging baskets?

Section C

*Answer any six questions.*
*Each question carries 5 marks*

21. Write the technique of creating bonsai.
22. Briefly describe pollen allergy.
23. Give an account on plant propagating structures.
24. Write a short account on major tribes in South India.
25. Mention the binomial, family, morphology of useful part and uses of any *two* medicinal plants.
26. Explain Polygonum type of embryo sac development.
27. Write an account on post harvest management of ornamental plants.
28. Comment on the role of pollen morphology in plant taxonomy.

(6 x 5 = 30 marks)

Section D

*Answer any two questions.*
*Each question carries 10 marks.*

29. What is endosperm? Describe different types of endosperm formation.
30. Comment on different types of pollination mechanisms in plants.
31. What is irrigation? Explain different irrigation methods with their merits and demerits.

(2 x 10 = 20 marks)