FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2017

(CUCBCSS—UG)

Botany

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. Drip irrigation.

2. Scion.

3. What is snake gourd ?

4. Ruminate endosperm.

5. Garden rake.

6. What is Pollen kit ?

7. Binomial of carrot.

8. What is Pomiculture ?

9. What is Parthenocarpy ?

10. Tapetum.

$(10 \times 1 = 10 \text{ marks})$

Section B

Answer **all** *questions.*
Each question carries 2 marks.

11. Draw a labelled diagram of mature anther T. S.

12. Differentiate between simple layering and air layering.

13. Write the ethno botanical importance of Ficus religiosa.

14. Differentiate between dicot embryo and monocot embryo.

Turn over

15. Indoor gardening.

16. Write the binomial, family and morphology of useful part of sugar cane.

17. What is aeropalynology ?

18. Mention the uses of gum arabic.

19. What is compost ?

20. Write the advantages of sprinkler irrigation.

(10 × 2 = 20 marks)

Section C

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

21. Write an account on soil types of Kerala.

22. Explain Allium type of embryosac formation.

23. Make a short note on cereals and millets mentioned in your syllabus.

24. Give an account on biopesticides.

25. Explain pollen viability tests.

26. Briefly describe the various methods used for avoiding pests and diseases in vegetable crops.

27. Mention the binomial, family, morphology of useful part and uses of any two pulses.

28. Write a note on different methods of seed treatment.

(6 × 5 = 30 marks)

Section D

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

29. Describe the method of cultivation of oyster mushroom.

30. What are the major tribes in South India ? Explain their role in the conservation of nature.

31. Describe any five major vegetables in South India, with special reference to binomial, family, morphology of useful parts and utility.

(2 × 10 = 20 marks)