

D 50622

(Pages : 2)

Name.....

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS—UG)

Botany

**BOT 5B 07—EMBRYOLOGY, PALYNOLOGY, ECONOMIC BOTANY, ETHNO BOTANY
AND HORTICULTURE**

Time : Three Hours

Maximum : 80 Marks

Part A

I. Answer the following. Each question carries 1 mark :

- 1 Gamosepalous condition.
- 2 Pollen tetrad.
- 3 Components of potting mixture.
- 4 Binomial of .Ragi.
- 5 Geitonogamy.
- 6 Name the family to which *Theobroma cacao* belongs.
- 7 Name the plant from which *vinblastin* is isolated.
- 8 Vertical gardening.
- 9 Scion.
- 10 Mesogamy.

(10 × 1 = 10 marks)

Part B

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

- 11 What are the characteristics of entomophilous flower ?
- 12 Explain the structure of embryo sac.
- 13 What is pollination ? What are the different types ?
- 14 "*Apple is a false fruit*". Substantiate.
- 15 Explain Air layering.
- 16 Explain Biopesticide.
- 17 Name any *four* tools used in garden making.
- 18 Give an outline of drip irrigation.

Turn over

19. Explain development of male gametophyte.
20. Binomial and family of any *four* plants used as spice.

(10 × 2 = 20 marks)

Part C

III. Answer any *six* of the following. Each question carries 5 marks :

- 21 Explain various ways by which anther is dehiscent.
- 22 Give an outline of post harvest management of sugarcane.
- 23 Give binomial and family and morphology of useful part of Pineapple and all spice.
- 24 Explain various methods of artificial propagation you have studied.
- 25 Give an outline of cultivation of oyster mushroom.
- 26 Explain ethnobotanical significance of *Cynodon dactylon*.
- 27 What are the components of soil ?
- 28 Explain major types of tribal communities in South India.

(6 × 5 = 30 marks)

Part D

IV. Write essays on any *two* of the following. Each question carries 10 marks :

- 29 Write an essay on various types of pollination and explain the adaptations for the same.
- 30 What is polyembryony ? What are the different types ?
- 31 Explain different methods of irrigation with their advantages and disadvantages.

(2 × 10 = 20 marks)