

15U328

(Pages:2)

Name:

Reg. No.....

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2016
(CUCBCSS - UG)

**CC15U BOT3 C03 - Morphology, Systematic Botany, Economic Botany,
Plant Breeding & Horticulture**
Botany - Complementary Course
(2015 Admission)

Time: Three Hours

Maximum: 64 Marks

Draw diagrams only when specified

PART A

(Answer *all* questions)

I. Answer in one word or one sentence

1. The type of inflorescence in Jasminum is
2. Paddy and Wheat belong to the category
3. The deliberate disposition of a plant from one place to another place is called
4. Name the fruit of family Mimosaceae.
5. Most of the pulses belong to the family
6. Main axis of an inflorescence is called
7. The binomial of green gram is
8. Gynoecium is composed of one or more individual units called
9. Leucas produces type of inflorescence.
10. Who is the father of plant taxonomy.

(10 x 1 = 10 Marks)

PART B

(Answer *any seven* questions)

11. Why grafting is not successful in monocots?
12. Define phyllotaxy. Mention different types.
13. Give the scientific name and an alkaloid found in Adhatoda.
14. Give the binomial, family and useful part of Clove.
15. Describe hypogyny with an example.
16. Describe hypanthodium with an example.
17. Distinguish between parietal placentation and marginal placentation.
18. Describe the spikelet in Poaceae
19. Write the binomials of two pulses that you have studied.
20. Draw the floral diagram of Caesalpiniaceae.

(7 x 2 = 14 Marks)

PART C

(Answer **any six** of the following)

21. Describe different methods of vegetative propagation.
22. Give an account of the method of preparation of a herbarium.
23. What are the important floral characters of Apocynaceae?
24. Compare the flowers of the subfamilies of Fabaceae.
25. Draw and label V.S. of Cyathium.
26. Explain pure line breeding method.
27. What are the merits and demerits of plant introduction?
28. Describe the characters of the family Euphorbiaceae.

(6 x 4 = 24 Marks)

PART D

(Answer **any two** questions)

29. Define hybridization and describe the process of hybridization.
30. What is an inflorescence? Describe the various types of racemose inflorescence.
31. What are the important characters of Papilionaceae family? Give the binomial of any two plants having medicinal importance belong to this family.

(2 x 8 = 16 Marks)
