

Reg. No.....

Name.....

B. Sc. DEGREE END SEMESTER EXAMINATION OCTOBER 2017**SEMESTER – 3 : BOTANY (COMPLEMENTARY COURSE)****COURSE: 15U3CPBOT3 – ANGIOSPERM TAXONOMY AND ECONOMIC BOTANY***For Regular (2016 Admission) & Supplementary / Improvement (2015 Admission)*

Time: Three Hours

Max Marks: 60

PART AI. Answer **ALL** questions; each question carries ONE mark.

1. Write down the binomial and family of Rosewood.
2. What is meant by an incomplete flower?
3. What is biopesticide? Give one example.
4. Write any two economically important plants of Rutaceae.
5. What is ray floret?
6. What is binomial nomenclature? Give one example.
7. What are bracts? Give an example for showy bract?
8. What are lodicules?

(1 x 8 = 8)

PART BII. Answer ANY **SIX** questions; each question carries TWO marks.

9. Differentiate between dioecious and monoecious plants.
10. Comment on the importance of herbarium in taxonomic studies.
11. What is cymose inflorescence? What are the different types of cymose inflorescence?
12. Comment on the inflorescence of Euphorbiaceae.
13. What is aestivation? Name the different types of aestivation?
14. How will you distinguish artificial classification from natural classification?
15. Write down the binomial and family of any two Spices you have studied.
16. Draw a labeled diagram of L.S. of a Malvaceae member.
17. What are the different types of placentation?

(2 x 6 = 12)

PART CIII. Answer ANY **FOUR** questions; each question carries FOUR marks.

18. Draw the floral diagram and floral formula of a flower from the family Apocynaceae.
19. What is chemo taxonomy? How does it help in classification?
20. Briefly explain demerits of Bentham and Hooker's classification.
21. Give the binomial, family, useful part and uses of any two oil yielding plants?
22. Compare the floral characters of Caesalpiniaceae and Mimosaceae.

(4 x 4 = 16)

PART D

IV. Answer ANY TWO questions; each question carries TWELVE marks.

23. What is a herbarium? What are the steps involved in Herbarium preparation?

OR

23. Write an essay on different types of fruits.

25. Describe the salient features of the family Poaceae.

OR

26. Describe the following economic plants with special reference to their botanical name, family, morphology of useful part, economic products and uses -

(1) Wheat (2) Para rubber (3) Anthurium (4) Groundnut. (12 x 2 = 24)
