

B.Sc. DEGREE END SEMESTER EXAMINATION OCTOBER 2017**SEMESTER –5: BOTANY (CORE COURSE)****COURSE: 15U5CRBOT05: ANGIOSPERM SYSTEMATICS, FLORAL MORPHOLOGY AND****ECONOMIC BOTANY***(For Regular 2015 admission)*

Time: Three Hours

Max. Marks: 60

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

1. Define synandrous anther.
2. What is epipetalous stamen?
3. What is vasculum?
4. What is catkin?
5. Write the name of a family having ruminant endosperm.
6. What is pollinium?
7. Write the binomial of a fibre yielding plant.
8. What are pappus hairs?

(1 x 8 = 8)

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

9. Explain Cyathium inflorescence.
10. Describe the androecium of Annonaceae.
11. Write the binomial of two pulses.
12. What is imbricate aestivation?
13. Write the peculiarities of the gynoecium of Apocynaceae.
14. What is lemma and palea?
15. Write two economic importance of Arecaceae family.
16. What is the difference between legume and caryopsis?
17. Write notes on pollination mechanism in Asclpiadaceae.
18. Draw the floral diagram of *Desmodium* flower and write the floral formula. (2 x 6 = 12)

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

19. Write the binomial and uses of four plants with ethanobotanical significances.
20. Describe different types of simple fleshy fruits.
21. Explain the floral characters of Poaceae.
22. Explain cytotaxonomy.

23. Write short note on ICBN.

24. Compare the androecium of Malvaceae and Rutaceae.

(4 x 4 = 16)

PART D

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

25. What are the different types of placentations? Explain with suitable examples.

OR

26. Explain the different types of Racemose Inflorescences with examples.

27. Compare the floral characters of the subfamilies of Leguminosae.

OR

28. Write the different characters of Asteraceae.

(12 x 2 = 24)
