

B. Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2019**SEMESTER – 3: BOTANY (COMPLEMENTARY COURSE FOR B. Sc. ZOOLOGY)****COURSE: 15U3CPBOT3, ANGIOSPERM TAXONOMY AND ECONOMIC BOTANY**

(For Regular - 2018 Admission and Improvement 2017 / Supplementary 2017, 2016 & 2015 Admissions)

Time: Three Hours

Max. Marks: 60

PART AI. Answer **all** questions; each question carries 1 mark.

1. Define perigyny.
2. What is legume / pod?
3. Name a disinfectant used in herbarium.
4. Define obdiplostemonous condition.
5. Name a family having marginal placentation?
6. Write the morphology of useful part in cotton.
7. What is culm?
8. Name a biopesticide.

(1 x 8 = 8)

PART BII. Answer **any six** questions; each question carries 2 marks.

9. Write two merits and demerits of Bentham & Hookers system of classification.
10. Differentiate between actinomorphic and zygomorphic flowers.
11. Describe the androecium of Malvaceae.
12. What is the difference between axile and parietal placentation.
13. Explain cyathium.
14. Describe the spikelet of Poaceae.
15. Give binomial and family of any two spices.
16. Discuss the significance of herbarium in taxonomy?
17. Describe the gynoecium of Apocynaceae.
18. Explain head inflorescence.

(2 x 6 = 12)

PART CIII. Answer **any four** questions; each question carries 4 marks.

19. Briefly explain cytotaxonomy.
20. Write the binomial, family and uses of two beverage yielding plants.
21. Discuss the advanced features of Asteraceae.

22. Describe the different types of aestivation.
23. What is ICBN? Enumerate the principles of ICBN.
24. Explain different types of simple fleshy fruits with examples.

(4 x 4 = 16)

PART D

IV. Answer **any two** questions; each question carries 12 marks.

25. Compare and contrast between the subfamilies of Leguminosae.

OR

26. Describe the vegetative and floral features of Rutaceae. Add a note on its economic importance.

27. Explain the various types of racemose and cymose inflorescence with examples and diagrams.

OR

28. Give the binomial, family and economic importance of any two plants of the following categories.

- a) Timber yielding b) Oil yielding c) Fibre yielding

(12 x 2 = 24)
