

TB146090A

Reg. No.....

Name.....

**B. Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2017**

**SEMESTER VI - BOTANY**

**BOT6AMSE - ANGIOSPERM MORPHOLOGY, SYSTEMATIC BOTANY AND  
ECONOMIC BOTANY**

**Time: Three Hours**

**Maximum Marks: 60**

**PART A**

**I. Answer all questions. Each question carries 1 mark.**

1. Write the binomial and family of any spice in Kerala.
2. What is synandrous condition?
3. What is the size of a standard herbarium sheet?
4. What is diadelphous condition?
5. What is spirocyclic condition?
6. What is cypsella?
7. Define syncarpous condition.
8. What is lodicule?

**(8x1=8)**

**PART B**

**II. Answer any six questions. Each question carries 2 marks.**

9. Differentiate monochasial and dichasial cyme?
10. What is androphore? Give example.
11. Briefly explain syngeneceous stamen and sagittate anther.
12. What is papillionaceous corolla?
13. Write the binomial and respective families of any two timber yielding plants of Kerala.
14. Explain umbel and spike inflorescences.
15. What is a phylogenetic system of classification?
16. Write a brief note on the androecium of the family Nymphaeaceae.
17. Explain the gynoecium of the family Euphorbiaceae?
18. What is cytotaxonomy?

**(6x2=12)**

**PART C**

**III. Answer any four questions. Each question carries 4 marks.**

19. With the help of suitable labelled diagram explain spikelet inflorescence.
20. Explain different types of placentations.
21. Compare the floral characters of Rutaceae and Meliaceae.
22. Justify flower as a modified shoot.
23. Explain the flower of an orchid in technical terms?
24. Write the Binomial, family and morphology of useful parts of any two insecticide yielding plants.

**(4x4=16)**

**PART D**

**IV. Answer any two questions. Each question carries 12 marks.**

25. Write an essay on the significance of Ethnobotany by stating suitable examples?
26. With the help of labelled diagrams prepare a comparative account of the families Scrophulariaceae, Acanthaceae and Verbenaceae.
27. Write an essay on steps involved in herbarium preparation. Briefly explain the significance of herbarium in plant taxonomy.
28. Explain Bentham and Hookers system of classification. Discuss what are its advantages and disadvantages.

**(2x12=24)**