

TM153055C

Reg. No:.....

Name:.....

**M. Sc. DEGREE (C.S.S.) EXAMINATION, OCTOBER 2016**  
**SEMESTER III - BOTANY**  
**BO3C11TM - TAXONOMY OF ANGIOSPERMS**

**Time: Three Hours**

**Maximum Marks: 75**

**PART A**

**I. Answer any five questions. Each question carries 3 marks**

1. What is gynostegium. Explain with a diagram
2. Write a note on the stamens in Ranales
3. Enlist the advanced features of Asteraceae
4. Give an account on GIS
5. Describe the stamens in Malvaceae
6. Differentiate flora and Flora
7. Comment on the inflorescence in Poaceae

**(5x3 =15)**

**PART B**

**II. Answer any six questions. Each question carries 5 marks**

8. Write brief descriptions on contributions of BSI
9. What is the role of herbarium in teaching and research?
10. Elaborate the concept of Bentham and Hooker's system of Classification
11. Write a brief account on the floral features of the sub families of Leguminosae
12. Explain the evolutionary significance of Orchidaceae
13. Describe the inflorescence in Euphorbiaceae with diagrams and examples
14. Give an account on documentation for ethnobotanic studies
15. Write briefly on the floral characters of Aristolocaceae and Polygonaceae
16. Describe the floral variation in Scrophulariaceae and Acanthaceae

**(6x5=30)**

**PART C**

**III. Answer any two questions. Each question carries 15 marks**

18. With the help of diagrams and suitable examples, describe the salient features of Cucurbitaceae
19. Explain the preparation and use of taxonomic keys and its utilization
20. Describe the APG system of Angiosperm classification. Describe the characteristic features of Asclepiadaceae. Compare it with that of Apocyanaceae

**(2x15=30)**