**V Semester B.Sc. Examination, November/December 2017**
**(CBCS) (2016-17 and Onwards) (F+R)**
**BOTANY (Paper – V)**
**Taxonomy and Economic Botany**

Time : 3 Hours

Max. Marks : 70

*Instructions :* 1) *Answer* **all** *questions.*
2) *Draw diagrams* **wherever** *necessary.*

### PART – A

A. Explain/Define **any ten** of the following in **two** or **three** sentences :　　(10×2=20)

1) What is caryopsis ? Give an example.

2) What is Holotype ?

3) What is Ethnobotany ?

4) Define species.

5) What is Didynamous condition ? Give an example.

6) Write the Botanical names of Teak and Rosewood.

7) What is Resupination ? Give an example.

8) What are OTUs ?

9) What is Papilionaceous corolla ?

10) Differentiate Ray floret from Disc floret.

11) What is Phylogenetic system of classification ? Give an example.

12) Give any two diagnostic features of the family Apiaceae.

### PART – B

B. Write critical notes on **any four** of the following :　　(4×5=20)

13) Cyathium inflorescence.

14) Chemotaxonomy.

15) Tendrils of the family Cucurbitaceae.

16) Salient features of Bentham and Hooker's classification.

17) Floral characteristics of Musa sp.

18) Key characters of family Rutaceae.

P.T.O.

## PART – C

C. Give a comprehensive account on **any three** of the following :     (3×10=30)

19) Describe the family Asclepiadaceae.

20) Define Herbarium. Give an account of the Field and Herbarium techniques.

21) Give a comparative account of the families Annonaceae and Magnoliaceae.

22) What is Binomial Nomenclature ? Write a note on the aim and principles of ICBN.

23) Give a note on any five medicinal plants.