

Reg. No.

--	--	--	--	--	--	--	--	--	--



**BSCBOC 355**

**Credit Based VI Semester B.Sc. Examination, September 2022  
(2020-21 and Earlier Batches) (Semester Scheme)**

**BOTANY**

**Taxonomy and Economic Botany**

Time : 3 Hours

Max. Marks : 80

- Instructions :** 1) Answer Part – **A** and Part – **B**.  
2) Answer **four full** questions from Part – **B**, choosing **one full** question from **each** Unit.  
3) **All** questions in Part – **B** carry **equal** marks.  
4) Draw diagrams **wherever** necessary.

**PART – A**

1. Answer **any ten** of the following :

**(10×2=20)**

- i) Define Cytotaxonomy.
- ii) What is Binomial nomenclature ? Give an example.
- iii) What is Stylopodium ?
- iv) Define Pappus. Where it is found ?
- v) What is Gynostegium ? In which family do you find it ?
- vi) What is Bilabiate corolla ? Where it is found ?
- vii) What are gall flowers ? Where it is found ?
- viii) What is Labellum ?
- ix) Give two examples for Zingiberaceae.
- x) Write botanical and family name of Sandalwood.
- xi) Give two examples with their family for fibre yielding plants.
- xii) Which alkaloid produced by garudapathala and mention its significance ?

**P.T.O.**



## PART – B

## Unit – I

2. a) Explain Papilionaceous corolla. 4  
b) Write a note on Numerical taxonomy. 4  
c) Describe the family Malvaceae. Give two examples. 7

OR

3. a) Write a note on APG system of classification. 3  
b) Write a note on economic importance of Rutaceae. 5  
c) Explain Bentham and Hooker system of classification. 7

## Unit – II

4. a) Explain the floral characters of Rubiaceae. 4  
b) Write a note on economic importance of Solanaceae. 4  
c) Describe the family Acanthaceae. Give two examples. 7

OR

5. a) Give any three economic importance of Convolvulaceae. 3  
b) Write a note on floral characters of Apocynaceae. 5  
c) Describe the family Verbinaceae. Give two examples. 7

## Unit – III

6. a) Mention the economic importance of Euphorbiaceae. 4  
b) Explain the vegetative structure in Musaceae. 4  
c) Describe the family, diagnostic features of family Poaceae. Give two examples. 7

OR

7. a) Describe Cyathium. 3  
b) Explain the floral characters of Amaranthaceae. 5  
c) Describe the family Arecaceae. Give two examples. 7



**Unit – IV**

8. a) Write a note on Ethnobotany and its significance. **4**  
b) Explain the botanical name, family, part used and uses of Maize and Paddy. **4**  
c) Write a note on Nithyapushpa, Amruthaballi and Ashwagandha. **7**

OR

9. a) Give three examples for Pulses with botanical name and family. **3**  
b) Explain the method of Coffee processing. **5**  
c) Write a note on any three timber yielding plants. **7**
-