

5m/BOT-302 (Th) Syllabus-2023

2 0 2 5

(Nov-Dec)

FYUP : 5th Semester Examination

MINOR

BOTANY

**(Angiosperm Taxonomy,
Ecology and Economic Botany)**

BOT-302

Marks : 56

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

Answer Question No. **1** Which is compulsory and any **four** questions, selecting **one** from each section

1. Write short notes on the following : 4×4=16
- (a) Artificial system of classification
 - (b) Wood characteristics and uses of teak
 - (c) Food chain
 - (d) Pollinium in Orchidaceae

(2)

SECTION—I

2. Give an account of Bentham and Hooker's system of classification of plants. 10
3. Describe the salient features of the family Poaceae and write the botanical names of three economically important plants of the family. 7+3=10

SECTION—II

4. Write a note on ecological pyramid. 10
5. Define ecological succession. Give an account of the general process of ecological succession in an ecosystem. 2+8=10

SECTION—III

6. Write a note on the cultivation and processing of rubber. 5+5=10
7. Discuss in detail the centre of origin of plants according to Vavilov. 10

SECTION—IV

8. What is botanical nomenclature? Explain the term 'ICN' and state the principles of botanical nomenclature as per the ICN. 2+(2+6)=10

(3)

9. Give the scientific names, families, parts used and uses of five economically important plants. 10
