

3/BOT-200 (Th) Syllabus-2023

2 0 2 4

(December)

FYUP : 3rd Semester Examination

MAJOR

BOTANY

**(Economic Botany and Ethnobotany and
Phytogeography)**

BOT-200

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**, selecting **one** from each Section

1. Write notes on the following : $4 \times 4 = 16$

- (a) Wood characteristics and uses of teak
- (b) Cultivation and uses of *Cymbopogon*
- (c) Biopiracy
- (d) Barriers to plant migration

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(Turn Over)

(2)

SECTION—I

2. Describe the origin, cultivation and processing of tea. 1+4+5=10
3. Discuss the centres of origin of cultivated plants as envisaged by Vavilov. 10

SECTION—II

4. What is ethnobotany? Discuss the importance of ethnobotanical knowledge in human welfare. Illustrate your answer with examples of two wild edible and two medicinal plants used by North-Eastern tribes. 2+4+4=10
5. What is meant by Intellectual Property Rights (IPR)? Highlight the role of patents in protection of IPR. 4+6=10

SECTION—III

6. What is endemism? Discuss different types of endemism. 2+8=10
7. Write explanatory notes on the following : 5+5=10
 - (a) Mechanisms of plant migration
 - (b) Himalayan glaciation theory

SECTION—IV

8. Answer the following : 5+5=10

(a) Discuss the cultivation and medicinal uses of *Rauwolfia* sp.

(b) Write the scientific names, families and parts used of two pulses, two fibre yielding plants and one aromatic plant of North-East India.

9. (a) Compare Western and Eastern Himalayan floristic regions.

6

(b) Comment on Satpura hypothesis.

4

The figures in the margin indicate full marks for the questions

Answer Question No. 1 which is compulsory and any four, selecting one from each Section

1. Write notes on the following : 4+3+16

(a) Seed characteristics and uses of teak

(b) Cultivation and uses of *Cymbopogon*

(c) Eucalyptus

(d) Barriers to plant migration