

3/BOT-200 (Th) Syllabus-2023

2 0 2 5

(Nov-Dec)

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 Q. No. 1 which is compulsory and **any four**,
selecting **one** from each Section

1. Write notes on the following : 4×4=16

- (a) Cultivation and medicinal uses of *Rauwolfia*
- (b) Wood characteristics and uses of Sal.
- (c) Biopiracy
- (d) Satpura hypothesis

26D/586

(Turn Over)

(2)

SECTION—I

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

SECTION—II

4. What is ethnobotany? Discuss the significance of ethnobotanical knowledge in human welfare. Illustrate your answer with examples of two wild edibles and two plants of folk medicine used by North-Eastern tribes. $2+4+4=10$
5. What is meant by Intellectual Property Rights (IPR)? Discuss the role of IPR in protection of traditional knowledge. $3+7=10$

SECTION—III

6. What is endemism? Discuss the various theories and factors that contribute to endemism. $2+4+4=10$
7. Write short notes on the following : $5 \times 2 = 10$
 - (a) Himalayan glaciation
 - (b) Barriers to plant migration

(3)

SECTION—IV

8. What is meant by continuous and discontinuous distributions of plants? Discuss the theories explaining discontinuous distribution of plants in India. 2+8=10
9. (a) Write the scientific names, families and parts used of two cereals, two species and one oil-yielding plant of North-East India. 5
- (b) Comment on the characteristics of Eastern Himalayan floristic region. 5

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