

Odd Semester, 2020

(Held in March, 2021)

BOTANY

(Elective/Honours)

[BOT-ELH-301 (T)]

**(Angiosperm Taxonomy, Economic Botany,
Ethnobotany and Phytogeography)**

Marks : 56

Time : 3 hours

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

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

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

- (a) Principles of botanical nomenclature
- (b) Inflorescence of the family Asteraceae
- (c) Cultivation and uses of *Citronella*
- (d) Satpura hypothesis

SECTION—I

- 2.** Write a note on rules of priority and its limitations. $7+3=10$
- 3.** Give an account of Hutchinson's system of classification. Comment on its merits and demerits. $6+4=10$

SECTION—II

- 4.** Describe the distinguishing features of family Papilionaceae (Fabaceae). Draw its floral diagram and mention its floral formula. Write the botanical names of three economically important plants of the family. $5+(1+1)+3=10$
- 5.** Describe the salient features of family Liliaceae. Draw its floral diagram and mention its floral formula. Write the botanical names of three economically important plants of the family. $5+(1+1)+3=10$

SECTION—III

- 6.** Define ethnobotany. Write its significance. Describe the ethnobotanical uses of three plant species from North-East India. $2+2+6=10$
- 7.** Write a note on cultivation and processing of tea. $4+6=10$

(3)

SECTION—IV

8. Discuss in detail the centre of origin of plants. 10
9. Describe the Western Himalayan floristic region of India and compare its vegetation with that of the Eastern Himalayan floristic region. 7+3=10

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