

3/EH-62 (iii) (Syllabus-2015)

2019

(October)

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 notes on the following : **4×4=16**

- (a) Eastern Himalayan Floristic Region
- (b) Disc florets of Asteraceae family
- (c) Wood characteristics and uses of Sal
- (d) Nomenclature types

(2)

SECTION—I

2. Give an account of Bentham and Hooker's system of classification of plants. Comment on its merits and demerits. $7+3=10$
3. Write a note on rules of priority and comment on its limitations. $7+3=10$

SECTION—II

4. Describe the distinguishing features with floral diagram and floral formula of the family Solanaceae and mention the botanical names of three economically important plants of the family. $5+1+1+3=10$
5. Describe the salient features of the family Orchidaceae. Draw floral diagram and mention floral formula. Write the names of three economically important plants of the family. $5+1+1+3=10$

SECTION—III

6. Write a note on the cultivation and processing of rubber. $5+5=10$
7. Define ethnobotany and write its significance. Describe three ethnobotanical plants of North-East India having medicinal value. $2+2+6=10$

(3)

SECTION—IV

8. Give an account of barriers to plant migration. 10
9. Discuss in detail the centre of origin of plants. 10
