

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

2 0 1 8

(October)

BOTANY

(Elective/Honours)

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

(BOT-ELH-301)

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) Contribution of Carl von Linnaeus
 - (b) Pollinium in Orchidaceae family
 - (c) Wood characteristics and uses of teak
 - (d) Barriers to plant migration

(Turn Over)

(2)

SECTION—I

2. What is botanical nomenclature and its principles as per ICN? Define types and rules for typification. 5+5=10
3. Give an account of the plant classification by Hutchinson. Comment on its merits and demerits. 6+4=10

SECTION—II

4. Describe the distinguishing features of the family Papilionaceae (Fabaceae) and mention the botanical names of three economically important plants of the family. 7+3=10
5. 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—III

6. Write notes on the cultivation and processing of tea. 4+6=10
7. Define ethnobotany and write its significance. Describe three ethnobotanical plants of North-East India having food value. 2+2+6=10

D9/60

(Continued)

(3)

SECTION—IV

8. Give an account of the floristic regions of India. 10
9. Write notes on the following : 5×2=10
- (a) Concept of centre of origin of cultivated plants
- (b) Satpura hypothesis

D9—2500/60

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