

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

**2 0 1 7**

**( 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 short notes on the following :      4×4=16**
- (a) Theory of continental drift**
  - (b) Inflorescence of the family Asteraceae**
  - (c) Wood characteristics and uses of Sal**
  - (d) Binomial Nomenclature**

( 2 )

SECTION—I

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

SECTION—II

4. Describe the distinguishing features of the family Solanaceae and mention the botanical names of three economically important plants of the family.  $7+3=10$
5. Describe the structural features of flowers of the family Orchidaceae and write the botanical names of three economically important plants of the family.  $7+3=10$

SECTION—III

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

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( Continued )

( 3 )

SECTION—IV

8. Describe the floristic regions of India. 10
9. Give an account of barriers to plant migration. 10

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