

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 : $4 \times 4 = 16$

- (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

8D/136

(Continued)

(3)

SECTION—IV

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

8D—3000/136

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

2018

(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

(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

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

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

2016

(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 : $4 \times 4 = 16$

(a) Barriers to plant migration

(b) Spikelets of Poaceae

(c) Processing of rubber

(d) Rules of priority

SECTION—I

2. Give an account of a natural system of classification of plants. Comment on its merits and demerits. 7+3=10
3. Give an outline of the plant classification by Hutchinson. Mention its merits and demerits. 7+3=10

SECTION—II

4. Describe the salient features of the family Lamiaceae and mention the botanical names of three economically important plants of the family. 7+3=10
5. Describe the salient features of the family Zingiberaceae and write the botanical names of three economically important plants of the family. 7+3=10

SECTION—III

6. Write notes on cultivation and processing of tea. 5+5=10
7. What is ethnobotany? Write its significance. Describe the ethnobotanical uses of three plant species with their botanical classification. 2+2+6=10

SECTION—IV

8. Describe the floristic regions of India. 10
9. Write notes on the following : 5+5=10
- (a) Difference between continuous and discontinuous distribution of plants
- (b) Concept of primary centre of origin of cultivated plants

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

20D/83

(Turn Over)

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

SECTION—IV

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