

2015

( May )

BOTANY

( Major )

Course : 606

( Agrotechnology and Sustainable  
Utilization of Plants )

Full Marks : 48

Pass Marks : 19

Time : 2 hours

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

1. (a) Fill in the blanks : 1×5=5

(i) — is the centre of origin of wheat.

(ii) Ethnobotany deals with the direct  
relation of plants with —.

(iii) — is the dominant oil-yielding  
plant of Assam.

( 2 )

(iv) The source of coffee is the — of *Coffea arabica*.

(v) The scientific name of kalmegh is —.

(b) Write short accounts on the following:

(i) Ethnobotany of Assam

(ii) Aromatic and Petrocrops

(iii) Indigenous Knowledge System (IKS)

3×3=9

2. Write an essay on the origin of cultivated plants.

Or

Give a brief account on the cultivation/ plantation and economic utilization of either Sasi or *Jatropha*.

7+4=11

3. What is germplasm? Describe in detail the collection, conservation and importance of germplasm with special reference to wild species.

2+3+3+3=11

Or

Discuss the agrotechnology of soya bean and Ramie along with their economic utilization.

6+5=11

P15—2000/582

( Continued )

( 3 )

4. Write the botanical names along with their families of the following plants and give short accounts on their economic importance of different useful parts (any four) :  $(1+1+1) \times 4 = 12$

(a) *Tinospora*

(b) Bhot Jalakia

(c) Patchouli

(d) Arjuna

(e) Satmul

(f) Vetiver

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P15—2000/582

6 SEM TDC BOT M 6