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6 SEM TDC BOT M 6

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(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.

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

(v) The scientific name of kalmegh is —.

(b) Write short accounts on the following :

3×3=9

(i) Ethnobotany of Assam

(ii) Aromatic and Petrocrops

(iii) Indigenous Knowledge System (IKS)

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

11

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

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
