

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)

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*.

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

Or

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

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(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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