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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. Fill in the blanks : 1×5=5

(a) — is the outstanding Russian scientist and a pioneer in the field of plant exploration and introduction.

(b) The term 'ethnobotany' was first used in 1895 by —.

(c) Reserpine, a drug, is extracted from the medicinal plant —.

(d) Cotton is obtained from the outgrowth of —.

(e) The scientific name of cauliflower is —.

2. Write short accounts on the following : $3 \times 3 = 9$

(a) Beneficial and harmful effects of biopesticides

(b) Ethnobotany of North-East India

(c) Medicinal use of Satmul and Silikha

3. Give an outline of Vavilov's centres of origin of crop plants. 11

Or

Give a brief account on the cultivation/plantation and economic utilization of citronella or era. $7+4=11$

4. Write a detailed account on the medicinal plants available in N-E India with special mention of the medicinal uses and scientific names of some of them. $6+5=11$

Or

Discuss the agrotechnology of sunflower and turmeric along with their economic utilization. $6+5=11$

5. 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) Wheat
- (b) Sunflower
- (c) Mung
- (d) Coffee
- (e) Sisoo
- (f) Ashwagandha
