

2019

( May )

BOTANY

( Major )

Course : 606

( **Agrotechnology and Sustainable  
Utilization of Plants** )

Full Marks : 48

Pass Marks : 19/14

Time : 2 hours

The figures in the margin indicate full marks  
for the questions

1. (a) Fill in the blanks : 1×5=5
- (i) The native land of soya bean is \_\_\_\_\_.
  - (ii) *Tinospora cordifolia* is the scientific name of \_\_\_\_\_.
  - (iii) Botanically Jetuka is known throughout the world as \_\_\_\_\_.
  - (iv) The term '\_\_\_\_\_' was first used in 1895 by Harshberger.
  - (v) The useful parts of Patchouli are \_\_\_\_\_.

(b) Write short accounts of the following :

$$3 \times 3 = 9$$

(i) Pulses as a source of vegetable protein

(ii) Ethnobotany and its importance

(iii) Bamboo

2. What do you mean by domestication of plants? Give an account of N. I. Vavilov's centres of origin of crop plants.

$$4 + 7 = 11$$

Or

Write the agrotechnology and economic utilization of wheat or Jatropha.

$$7 + 4 = 11$$

3. Discuss about five medicinal plants and their roles in health care. Write the scientific names of the plants along with their families.

$$6 + 2\frac{1}{2} + 2\frac{1}{2} = 11$$

Or

Write notes on the following (any two) :

$$5\frac{1}{2} \times 2 = 11$$

(a) Biofertilizers

(b) Germplasm collection and conservation

(c) Non-alcoholic beverages

(d) IKS

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

- (a) Tomato
- (b) Cardamom
- (c) Teak
- (d) Sasi
- (e) Ashwagandha
- (f) Ramie

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