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B.Sc. Agriculture (2014 & Onwards) (Sem.-7)

PRODUCTION TECHNOLOGY OF SPICES, AROMATIC MEDICINAL AND PLANTATION CROPS

Subject Code : BSAG-CS 705

M.Code : 74832

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

- 1. Write short notes on :**

- First and second grade guggal
- Propagation of lemon grass
- Planting cocoa as mixed crop with arecanut/coconut
- Processing in coffee
- Oleorein
- Curing in Cardamom
- Propagation and planting of turmeric
- Distillation in Pepper
- Arabica and robusta coffee
- Sowing of Fenugreek

SECTION-B

2. Enumerate the techniques to minimize the shattering losses in Celery.
3. Discuss the vegetative propagation of cocoa.
4. Comment on '*Arecanut can be raised successfully in northern parts of India*'.
5. Discuss the desirable traits for selecting mother palm in Coconut.
6. Explain the high density planting and nutritional requirements of Cashew.

SECTION-C

7. A farmer has large dairy unit at his farm and wishes to recycle dairy waste to grow a crop. He is planning to raise either turmeric or ginger. Suggest the farmer suitable crop and describe all agro-techniques to raise that crop successfully under Punjab conditions.
8. Discuss the process of mulching and intercropping in ginger along with the processing techniques (five main products) of the ginger rhizome.
9. Discuss the planting, training/pruning and the concept of trailing & lowering of vines in Betelvine.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.