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Time : 2 Hours

**OLERICULTURE**

Subject Code

V	4	3	8	4
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Total No. of Questions : 23

(Printed Pages : 4)

Maximum Marks : 50

**INSTRUCTIONS :** (1) There are *four* sections in the question paper A, B, C, and D consisting of total **23** questions.

(2) In Section A there are *eight* questions in which, question numbers **1** to **4** are multiple choice questions and question numbers **5** to **8** are to be answered in *one* or *two* sentences each.

(3) Attempt *all* the questions. However internal choice is given for question numbers **20** and **23**.

(4) Figures to the right indicate marks allotted to each question.

(5) Write the number of each question clearly on the answer-book.

**SECTION A**

1. The side shoots and early fruits of cucumber plant in polyhouse cultivation are removed and is referred as ..... . 1

- Trailing
- Pruning
- Training
- Defusing

2. The improved varieties of cluster bean : 1
- Arka Suryamukhi and Jaffna
  - Pusa Sawani and Pusa Chetki
  - Pusa Navbahar and Pusa Sadabahar
  - Pusa Mousami and DWD 1
3. Musk melon fruit is harvested when ..... for table purpose consumption. 1
- It starts ripening
  - It is tender
  - It is over ripped
  - It turns red
4. The duration of Radish crop is ..... . 1
- 70–90 days
  - 45–55 days
  - 100–110 days
  - 25–30 days
5. What is meant by fertigation ? 1
6. State *two* methods of propagation used in curry leaf cultivation. 1
7. State *two* symptoms of powdery mildew disease observed in musk melon. 1
8. Why is ‘earthing up’ operation necessary in radish ? 1

## SECTION B

9. Draw neat labelled diagram of beds used for planting cucumber in polyhouse. 2
10. Discuss in detail, planting of sweet potato using vine cuttings. 2
11. State *four* different uses of dioscorea yams. 2
12. Draw neat labelled diagram showing furrow and pit method of sowing Watermelon. 2
13. Explain cultivation of cluster bean with reference to seed treatment and sowing. 2
14. Discuss cultivation of curry leaf with reference to training and harvesting. 2

## SECTION C

15. Discuss harvesting and post-harvest curing in onion. 3
16. State *three* symptoms of Yellow vein mosaic disease in okra and *three* measures to control the same. 3
17. Discuss cultivation of pumpkin with reference to : 3
  - (a) Soil requirements
  - (b) Seed sowing
  - (c) Trailing.
18. Write *six* uses of Drumstick plant. 3
19. Discuss cultivation of sweet corn with reference to : 3
  - (a) Soil requirement
  - (b) Land preparation
  - (c) Seed treatment.

20. Discuss harvesting and storage of elephant foot yam corms. 3

*Or*

Discuss preparation of planting material and planting process for Amorphophallus Yam cultivation. 3

### **SECTION D**

21. Explain the following with reference to capsicum cultivation in polyhouse : 4

(a) Raising of capsicum seedlings in the nursery

(b) Selection of seedlings for transplanting in the field.

22. Discuss cultivation of long beans with reference to support and manuring and fertilizer application. 4

23. (a) State various colours used to indicate corresponding toxicity levels of pesticides. 2

(b) State 4 precautions recommended to be taken during spraying of pesticides. 2

*Or*

What is meant by lethal dose ? Discuss various signs and symptoms of pesticide poisoning observed in human being. 4