

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

---

**Time : 2 Hours****OLERICULTURE****Subject Code**

|   |   |   |   |
|---|---|---|---|
| V | 3 | 8 | 4 |
|---|---|---|---|

**Total No. Of Questions : 4****(Printed Pages : 4)****Maximum Marks : 50**

---

*INSTRUCTION :* (i) All questions are compulsory.

(ii) Write the question number and sub-question number clearly.

(iii) Figures to the right indicate full marks.

(iv) Draw diagram wherever necessary.

(v) Start each question on fresh page.

1. (A) Fill in the blanks : 3

(i) The botanical name of musk melon is .....

(ii) The curry leaf can be propagated vegetatively by .....

(iii) Onion can be propagated by ..... and .....

(B) Answer the following in *one* or *two* sentences each : 3

(i) State the number of sweet potato vine cuttings required for planting on 1 ha. area.

(ii) State two varieties of elephant foot yam.

(iii) What is the precaution taken to avoid damage to the pumpkin vines while trailing on the ground ?

- (C) Write short notes on the following : 4
- (i) Management of yellow vein mosaic virus in okra.
- (ii) Uses of Dioscorea.
2. (A) State *true* or *false* : 3
- (i) Pumpkin fruits are harvested when the fruit stalk begins to shrivel.
- (ii) Radish are harvested when the roots get fully matured.
- (iii) Besides green cobs of sweet corn, green fodder is also available for the cattle.
- (B) Answer the following in *one* or *two* sentence : 3
- (i) How does epilachna beetle affect muskmelon crop ?
- (ii) How does earthing up help in improving crop quality in radish ?
- (iii) What is the recommended spacing for okra in rabi season ?
- (C) Answer the following in about **40-60** words : 4
- (i) Discuss integrated pest management measures recommended for sweet potato weevil.
- (ii) Describe in detail, harvesting of elephant foot yam.
3. (A) Match the pairs : 3
- | <b>'A'</b>                     | <b>'B'</b>         |
|--------------------------------|--------------------|
| (i) <u>Zea mays</u>            | (i) Yard long bean |
| (ii) <u>Citrullus lanatus</u>  | (ii) Cluster bean  |
| (iii) <u>Vigna unguiculata</u> | (iii) Poaceae      |
|                                | (iv) Sugar baby    |

- (B) Answer the following in *one* or *two* sentences each : 3
- (i) How is sowing carried out in sweet corn ?
  - (ii) State the nutritional importance of wal.
  - (iii) State two uses of cluster bean.
- (C) Answer the following in **40-60** words each : 6
- (i) Discuss cultivation of onion with respect to soil requirement and green onion production.
  - (ii) Discuss land preparation and sowing of watermelon by shallow pit method and furrow method.
  - (iii) Describe cultivation of radish with respect to earthing up and harvesting.
- (D) Draw a neat labelled diagram to show two leader and four leader system in capsicum cultivation in polyhouse. 3

*OR*

- (D) Discuss cultivation of capsicum in polyhouse with respect to selection of seedlings, topping and crop support. 3
4. (A) Select the correct alternative and rewrite the sentence : 3
- (i) Tender pods / mature seeds / flowers of cluster bean are used as vegetable
  - (ii) When the drumstick seedlings reach 3 meter / 75 cm / 2 meter height, the shoot tips are to be nipped off to encourage side branches.
  - (iii) Blue / Yellow / Green colour on chemical packings denotes high toxicity level.

- (B) Answer the following in *one* or *two* sentences each : 3
- (i) State two sucking pests which affect most of the capsicum crops in greenhouse.
  - (ii) What do you mean by solarization method of disinfecting the soil ?
  - (iii) State the characteristics of bed composition for cultivating cucumber in polyhouse.
- (C) Write short notes on the following : 6
- (i) Irrigation for cucumber in polyhouse.
  - (ii) Seed propagation and planting in curry leaf.
  - (iii) Plant protection in drumstick.
- (D) Describe cultural and biological methods of crop protection. 3

*OR*

- (D) Describe pre-spraying precautions needed to be taken for safe use of pesticides. 3