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25/VC/AG

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AGRICULTURE

(Vocational Course)

Full Marks : 30

Time : 1 hour

The figures in the margin indicate full marks for the questions

Choose the correct answer (Question Nos. **1** to **8**) : 1×8=8

1. Drip irrigation helps in

- (A) saving water
- (B) increasing yield
- (C) increasing quality
- (D) All of the above

2. The botanical name of nut grass is

- (A) *Argemone mexicana*
- (B) *Euphorbia hirta*
- (C) *Chenopodium album*
- (D) *Cyperus rotundus*

(2)

3. Aphids damage crop by
- (A) sucking cell sap
 - (B) secreting sugary substance
 - (C) vector of virus
 - (D) All of the above
4. Milky white ooze from a cut stem is a sign of _____ infection.
- (A) nematode
 - (B) bacterial
 - (C) fungal
 - (D) viral
5. Organism that feeds on other insects is called
- (A) antagonist
 - (B) predators
 - (C) parasitoids
 - (D) None of the above

(3)

6. Botanical pesticides are obtained from

- (A) animals
- (B) fungus
- (C) plants
- (D) bacteria

7. Tomato fruits for distant markets may be harvested at

- (A) green stage
- (B) red stage
- (C) ripe stage
- (D) over ripe stage

8. Curing is an effective post-harvest operation in _____ fruits or crop.

- (A) brinjal
- (B) tamato
- (C) tuber
- (D) chilli

(4)

Answer the following very short answer-type questions
(Question Nos. **9** to **12**) : 1×4=4

- 9.** Define maturity indices.
- 10.** Define weed.
- 11.** Mention the four steps of effective time management.
- 12.** Define horticultural maturity.

Answer any *three* of the following short answer-type questions
(Question Nos. **13** to **17**) : 2×3=6

- 13.** List the different harvesting stages of tomato.
- 14.** Distinguish between broad-leaved and narrow leaved weeds.
- 15.** How is drip irrigation system useful?
- 16.** Write the various precautions to be followed during the spraying of weedicides.
- 17.** What are the symptoms of anthracnose of chili?
How would you control this disease?

(5)

Answer any *three* of the following long answer-type questions
(Question Nos. **18** to **22**) : 4×3=12

- 18.** Define irrigation. Point out the criteria for suitability of irrigation water.
- 19.** Write the symptoms of damping-off disease. How can it be controlled?
- 20.** Describe cultural methods of pest management.
- 21.** Explain the different methods of determination of maturity in solanaceous vegetables.
- 22.** Explain in detail about storage and its objectives.

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