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**23/VC/AG**

**2 0 2 3**

**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. Which among the following fruits is a non-climacteric fruit?
  - (A) Apple
  - (B) Banana
  - (C) Guava
  - (D) Litchi
  
2. Irrigation water suitable for most of the crop contain \_\_\_\_\_ boron.
  - (A) below 1·0 ppm
  - (B) 1·0 ppm–1·5 ppm
  - (C) 1·0 ppm–2·0 ppm
  - (D) above 2 ppm

( 2 )

3. The botanical name of nut grass is
- (A) *Argemone mexicana*
  - (B) *Euphorbia hirta*
  - (C) *Chenopodium album*
  - (D) *Cyperus rotundus*
4. Herbicides applied before planting the main crop are
- (A) pre-plant herbicides
  - (B) pre-emergence herbicides
  - (C) bioherbicides
  - (D) All of the above
5. Organisms that feed on other insects is called
- (A) antagonists
  - (B) predators
  - (C) parasitoids
  - (D) None of the above
6. Horticultural maturity in most of the vegetable occurs
- (A) prior to physiological maturity
  - (B) after physiological maturity
  - (C) with physiological maturity
  - (D) Both (A) and (B)

( 3 )

**7.** Which variety of turmeric cultivated in Meghalaya has high curcumin content?

- (A) Nadia
- (B) Varoda
- (C) Lakadong
- (D) None of the above

**8.** The process of applying liquid fertilizer through an irrigation system is known as

- (A) furrow irrigation
- (B) fertigation
- (C) sprinkler irrigation
- (D) drip irrigation

Answer the following very short answer-type questions

(Question Nos. **9** to **12**) :

1×4=4

**9.** Define grading.

**10.** What is inter-cropping?

**11.** Define irrigation.

**12.** Define herbicides.

( 4 )

Answer the following short answer-type questions (Question Nos. **13** to **15**) : 2×3=6

- 13.** Write the various precautions which are to be followed during the spraying of herbicides.
- 14.** Describe cultural methods of pest management.
- 15.** How is drip irrigation useful?

Answer any *three* of the following long answer-type questions (Question Nos. **16** to **20**) : 4×3=12

- 16.** Distinguish between broad and narrow leaf weeds.
- 17.** What are weeds? State different types of weed with example.
- 18.** What are the general principles of pest management?
- 19.** What are the ideal properties of insecticides?
- 20.** Explain the different modes of transportation for agricultural products.

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