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**22/VC/AG**

**2 0 2 2**

**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**) :  $1 \times 8 = 8$

- 1.** Fertigation is a process in \_\_\_\_\_ irrigation.
  - (A) sprinkler
  - (B) surface
  - (C) drip
  - (D) centre pivot
  
- 2.** Which of the following is not an indigenous weed?
  - (A) *Sorghum halepense*
  - (B) *Echinochloa colonum*
  - (C) *Eichhornia crassipes*
  - (D) None of the above

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3. Which of the following is not a method of weed control?
- (A) Mulching
  - (B) Grading
  - (C) Intercropping
  - (D) Crop rotation
4. Downy mildew is a disease of
- (A) chilli
  - (B) tomato
  - (C) potato
  - (D) cabbage
5. The chemicals capable of killing or inhibiting the growth of weeds are
- (A) pesticides
  - (B) herbicides
  - (C) fungicides
  - (D) None of the above
6. \_\_\_\_\_ are to be used for harvesting grape bunches.
- (A) Clippers
  - (B) Hooks
  - (C) Scissors
  - (D) None of the above

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7. 'Mature' is derived from the Latin word 'Maturus', which means

- (A) harvesting
- (B) maturation
- (C) ripen
- (D) None of the above

8. Hazards due to agricultural machinery are

- (A) electrical
- (B) mechanical
- (C) chemical
- (D) None of the above

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

9. Define irrigation.

10. Who is known as the father of weed science?

11. What is eradication?

12. Define hazards.

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

- 13.** What are the various systems of irrigation? Point out the advantages and disadvantages of any one of them.
- 14.** What are the major weeds of rice, maize, chickpea, mustard, groundnut and potato?
- 15.** Differentiate between maturity and ripening.

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

- 16.** Define pesticides. List the properties of an ideal insecticide or pesticide.
- 17.** What are the different methods of handling agricultural tools and equipments?
- 18.** What are the ideal conditions for storage of harvested crops?
- 19.** Define hand harvesting. Write down its advantages and disadvantages.
- 20.** Write down the different types of hazards.

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