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20/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**) : $1 \times 8 = 8$

1. Rainbow revolution is related to

- (A) horticulture
- (B) overall development of agriculture
- (C) oilseeds
- (D) onions

2. Boro rice is also known as

- (A) summer rice
- (B) winter rice
- (C) Both of the above
- (D) None of the above

(2)

3. Which of the following plant hormones is responsible for ripening of fruits?
- (A) Abscisic acid
 - (B) Auxin
 - (C) Cytokinin
 - (D) Ethylene
4. The nursery must be free from
- (A) organic matter
 - (B) waterlogging
 - (C) micro-organisms
 - (D) irrigation water
5. Which of the following crops is propagated through cuttings?
- (A) Sugarcane
 - (B) Tomato
 - (C) Cabbage
 - (D) All of the above
6. Scab is a disease of
- (A) chilli
 - (B) brinjal
 - (C) potato
 - (D) tomato

(3)

7. Most salt-tolerant fruit crop is
- (A) date palm
 - (B) groundnut
 - (C) apple
 - (D) orange
8. Which of the following is a micronutrient?
- (A) Nitrogen
 - (B) Boron
 - (C) Potassium
 - (D) Carbon

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

9. What is transplanting in agriculture?
10. Define biofertilizer.
11. What is Integrated Pest Management?
12. What is crop rotation?

(4)

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

- 13.** Mention any two roles of cytokinins.
- 14.** What are the qualities of good medium or potting mixture?
- 15.** Describe any four physical/mechanical methods of weed control.

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

- 16.** What is fertigation? What are its advantages?
- 17.** What is green manure? What are the advantages and disadvantages of green manure?
- 18.** What is biological control? Why is biological control preferred over chemical control measures?
- 19.** What is drip irrigation? Give its advantages and disadvantages.
- 20.** What are the technologies used for minimizing post-harvest losses? Write briefly about any three such technologies.

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