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21/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. Yellow Sigatoka disease of banana is caused by

- (A) *Mycosphaerella musicola*
- (B) *Fusarium oxysporum*
- (C) *Pythium aphanidermatum*
- (D) None of the above

2. Rooting hormone is

- (A) gibberellin
- (B) auxin
- (C) ethylene
- (D) abscisic acid

(2)

3. The water utilized by plants is available in soils mainly in form of
- (A) chemical water
 - (B) capillary water
 - (C) gravity water
 - (D) hygroscopic water
4. Disease-free plants in micro-propagation can be obtained through
- (A) anther culture
 - (B) embryo culture
 - (C) cell culture
 - (D) meristem culture
5. _____ is called the 'king of fruits'.
- (A) Guava
 - (B) Jackfruit
 - (C) Mango
 - (D) Apple
6. Panama wilt of banana is caused by
- (A) *Alternaria solani*
 - (B) *Fusarium oxysporum*
 - (C) *Phytophthora infestans*
 - (D) None of the above

(3)

7. Which of the following is a ripening hormone?

- (A) GA-3
- (B) Auxin
- (C) Ethylene
- (D) Absciscic acid

8. When does post-harvest processing start?

- (A) When the produce is packaged
- (B) When the produce is sent to the market
- (C) When the body starts to digest them
- (D) When the produce is removed from

Answer the following very short answer-type questions

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

1×4=4

9. What is symptom?

10. What is crop rotation?

11. Define parasite.

12. Define essential nutrients.

(4)

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

- 13.** Define drip irrigation and lay out the system of drip irrigation.
- 14.** What are weeds? Write down the classification of weeds.
- 15.** Differentiate between grafting and budding.

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

- 16.** Define motherblock. Why is it important for the success of a nursery?
- 17.** What are the components or tools of IPM (Integrated Pest Management)?
- 18.** What are climacteric and non-climacteric fruits? Give two examples for each.
- 19.** How does packaging play a very important role in protecting fresh produce?
- 20.** What is intercropping? Explain the types of intercropping.

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