

2022

Agriculture (Vocational)

Total marks : 50

Time : 2 hours

General instructions :

- i) *Approximately 15 minutes is allotted to read the question paper and revise the answers.*
- ii) *All questions are compulsory except Q. nos.18 to 23 where general option is given.*
- iii) *The question paper consists of 23 questions.*
- iv) *Marks allocated to every question are indicated against it.*

N.B: *Check to ensure that all pages of the question paper are complete as indicated on the top left side.*

1. Choose the correct answer from the given alternatives: 10x1=10

- i. In which of the following type of irrigation, water is distributed across the land by gravity?
 - (a) drip irrigation
 - (b) surface irrigation
 - (c) sub irrigation
 - (d) sprinkler irrigation
- ii. The most essential elements of survival is
 - (a) food
 - (b) shelter
 - (c) water
 - (d) clothing
- iii. Buckhorn plantain is also called as
 - (a) buck plantain
 - (b) english plantain
 - (c) narrow leaved plantain
 - (d) all of these
- iv. Which of the following is an example of annual weed?
 - (a) bull thistle
 - (b) purple loosestrife
 - (c) chickweed
 - (d) lamb quarters
- v. The process of using a natural predator to control a pathogen is called
 - (a) genetic method
 - (b) biological control
 - (c) chemical method
 - (d) cultural method
- vi. Which of the following is a climacteric fruit?
 - (a) cherries
 - (b) citrus
 - (c) apples
 - (d) pineapple
- vii. What is the recommended relative humidity range for storage of most perishable fruits?
 - (a) 80-90%
 - (b) 90-95%
 - (c) 95-100%
 - (d) below freezing point
- viii. Hazards due to agricultural machinery are
 - (a) electrical
 - (b) mechanical
 - (c) chemical
 - (d) natural
- ix. Which of the following is an example of oral communication?
 - (a) newspaper
 - (b) phone call
 - (c) letter
 - (d) e-mail
- x. Which of the following short cut keys is used to paste a file?
 - (a) ctrl+c
 - (b) ctrl+p
 - (c) ctrl+v
 - (d) ctrl+x

Answer the following questions in one word or one sentence:

- 2. What are weeds? 1
- 3. Write any two organic mulches. 1
- 4. What are pests? 1
- 5. What is harvesting? 1
- 6. What is the botanical name of tomato? 1
- 7. Mention one example of hazard related to animal in a vegetable farm. 1
- 8. What is verbal communication? 1
- 9. What is stress? 1

Answer the following questions in 20-50 words:

- 10. What is micro-irrigation? Mention any two types of micro irrigation equipment. 2
- 11. Write any two importance of irrigation. 2
- 12. What is weed management? Write one objective of weed management. 2
- 13. Differentiate between virus and bacteria. 2
- 14. Mention any four tips to keep the garden pest free. 2
- 15. Mention any two goals of storage. 2
- 16. List any two types of hazards. 2
- 17. What is sustainable development? 2

Answer any four from the following questions in 60-100 words:

- 18. Briefly explain any four different types of irrigation. 4
- 19. Explain the different types of weeds. 4
- 20. Briefly explain any two abiotic disorder influencing plant diseases. 4
- 21. What is grading? Write any three advantages of grading. 1+3=4
- 22. Write any four physical processes commonly used in waste treatment operations. 4
- 23. Explain any four important functions of an entrepreneur. 4
