

Total number of printed pages : 2

NB-T/AG(V)/I

2024

Agriculture (Vocational)

Total marks: 50

Time : 2 hours

General instructions :

- i) Approximately 10 minutes is allotted to read the question paper and revise the answers.
- ii) All questions are compulsory.
- iii) The question paper consists of 21 questions.
- iv) Marks allocated to every question are indicated against it.
- v) Write the correct question number in your answer sheet to indicate the option being attempted.

N.B: Check 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. Which method of land is suitable for undulating land and sandy soil?
(a) Sprinkler irrigation (b) Drip irrigation
(c) Spray irrigation (d) Subsurface irrigation
- ii. It is a type of micro irrigation equipment which is often used for temperature control in outdoor settings
(a) Drippers (b) Sprinklers
(c) Foggers (d) Misters
- iii. The most common herbicide used in brinjal is
(a) Paraquat (b) Fluchloralin
(c) Alachlor (d) Trifluralin
- iv. Which of the following is derived from tobacco plant and is used for repelling insects?
(a) Nimbolin (b) Nimbin
(c) Pyrethrum (d) Nicotine
- v. Damping off is a disease of
(a) Leaves (b) Fruits
(c) Seedlings (d) Flowers
- vi. Vegetables crops such as tomatoes, peppers and corn are harvested in
(a) Summer season (b) Winter season
(c) Spring season (d) Autumn season
- vii. Noise, vibration, heat and other unhealthy climatic conditions are causes of
(a) Electrical hazards (b) Mechanical hazards
(c) Chemical hazards (d) Physical hazards
- viii. It refers to the movement of the body or its separate parts which may be culture bound
(a) Body language (b) Proxemics
(c) Kinesics (d) Haptics
- ix. The small pictures on the desktop are called
(a) Icons (b) Taskbar
(c) Wallpaper (d) Notification area

- x. Using eco-friendly materials comes under which of the primary goals of sustainable development?
- (a) Economic growth
 - (b) Environmental protection
 - (c) Cultural diversity
 - (d) Social inclusion

Answer the following questions in one word or one sentence:

- 2. What is a fogger? 1
- 3. What are pre plant herbicides? 1
- 4. Name any two natural enemies to combat pests. 1
- 5. State two fundamental principles of effective communication. 1
- 6. What are maturity indices? 1
- 7. What is hazard? 1
- 8. What is an operating system in a computer? 1
- 9. List any two primary goals of sustainable development. 1

Answer the following questions in 20-50 words:

- 10. What is irrigation? Write one main objective of irrigation system. 1+1=2
- 11. What is biological control of weeds? 2
- 12. Write two differences between broadleaf and grassy weeds. 2
- 13. Write the scientific names of two solanaceous crops and also name two common solanaceous vegetable diseases. 2
- 14. Differentiate between climacteric and non-climacteric vegetables. 2
- 15. What is stress? List two sources of stress in modern times. 1+1=2
- 16. State any two common hazards at vegetable farm with examples. 2
- 17. Who is an entrepreneur? State two characteristics of a successful entrepreneur. 2

Answer the following questions in 60-100 words:

- 18. (a) Briefly explain any four types of micro irrigation system. 4

Or

(b) Write any two advantages and disadvantages of micro irrigation equipments. (2+2=4)
- 19. (a) What are weeds? Briefly explain the annual, biennial and perennial weeds. 1+3=4

Or

(b) Explain any four tools and equipments for insect pest and disease management operations. (4)
- 20. What is grading of crops? Write three advantages of grading. 1+3=4
- 21. Explain any four types of hazards that occur in agricultural works. 4
