

Total number of printed pages : 2

NB-N/AG(V)

2021
CLASS - IX
AGRICULTURE (Vocational)

Total marks : 50

Time : 2 hours

General instructions :

- i) All questions are compulsory except Q. nos.18 to 23 where general option is given.
- ii) The question paper consists of 23 questions.
- iii) Marks allocated to every question are indicated against it.

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=1

- i. The Latin word 'olerus' mean
 - (a) Fruit
 - (b) Vegetable
 - (c) Flower
 - (d) Root
- ii. Which of the following is not a part of the seed?
 - (a) Seed coat
 - (b) Cotyledon
 - (c) Embryo
 - (d) Ovary
- iii. The height of the raised beds from the ground level is
 - (a) 5-10 cm
 - (b) 10-15 cm
 - (c) 15-20 cm
 - (d) 20-25 cm
- iv. By nature, lateritic (laterite) soil is
 - (a) acidic
 - (b) alkaline
 - (c) saline
 - (d) neutral
- v. Solanaceous vegetable crops are also known as
 - (a) warm season crop
 - (b) cool season crop
 - (c) temperate season crop
 - (d) all seasons crop
- vi. What is Molybdenum (Mo) in plant necessary for?
 - (a) Protein synthesis
 - (b) Chlorophyll
 - (c) Photosynthesis
 - (d) Nitrogen fixation
- vii. When is the best time to apply organic manure?
 - (a) One week before transplanting
 - (b) 15-20 days before transplanting
 - (c) At the time of transplanting
 - (d) 15-20 days after transplanting
- viii. Ergonomic hazards are caused by
 - (a) poorly designed tools
 - (b) machineries
 - (c) chemicals
 - (d) electricity
- ix. Which of the following is a positive facial expression?
 - (a) Staring hard
 - (b) Wrinkled forehead
 - (c) Nodding while listening
 - (d) Listening with the mouth wide open
- x. Which of the following is an example of renewable resources?
 - (a) Coal
 - (b) Solar energy
 - (c) CNG
 - (d) Petroleum

Answer the following questions in one word or one sentence:

- 2. Write the meaning of the Latin word '*hortus*' and '*cultura*'. 1
- 3. What is seed? 1
- 4. What is the recommended spacing required for transplanting potato? 1
- 5. What is staking? 1
- 6. What does FYM stand for? 1
- 7. What is hazard? 1
- 8. What is non-verbal communication? 1
- 9. Write the full form of GPS. 1

Answer the following questions in 20-50 words:

- 10. Write any two importance of horticulture. 2
- 11. Why do we raise nursery in pro-trays? 2
- 12. What is a black soil? Write the PH of black soil. 1+1=2
- 13. What is transplanting? Give example. 1+1=2
- 14. What is manure? Write any one advantage of organic manure. 1+1=2
- 15. What are macro and micro nutrients? 2
- 16. Mention any two farm safety and protective devices and write their uses. 1+1=2
- 17. List any four characteristics of entrepreneurship. 2

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

- 18. Briefly explain the different branches of horticulture. 4
- 19. Explain the importance of vegetables in human diet. 4
- 20. What is a nursery bed? State any three benefits of nursery bed. 1+3=4
- 21. Briefly describe the method of vermicompost preparation. Write any one application of vermicompost. 3+1=4
- 22. Differentiate between the following: 2+2=4
 - a) Natural and manmade disaster
 - b) Chemical and biological disaster
- 23. What is self management? List any four self management skills. 2+2=4
