

2023

Multi Skill Foundation Course (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.*
- 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. The isometric projections angle should be drawn at
 - (a) 90°
 - (b) 45°
 - (c) 30°
 - (d) 15°
- ii. Petrol engines are also known as
 - (a) compressor ignition engines
 - (b) spark ignition engines
 - (c) external combustion engines
 - (d) 2 stroke engines
- iii. In which plant is cleft grafting done?
 - (a) Mango
 - (b) Rose
 - (c) Pineapple
 - (d) Banana
- iv. Which of the following is **not** an element of air pollution?
 - (a) Sulphur dioxide
 - (b) Oxygen
 - (c) Carbon dioxide
 - (d) Carbon monoxide
- v. Which of the following is a breed of buffalo?
 - (a) Sahiwal
 - (b) Dangi
 - (c) Khilar
 - (d) Murrah
- vi. Which of the following age and above is considered as senior citizens?
 - (a) Eighty years
 - (b) Seventy years
 - (c) Sixty years
 - (d) Fifty years
- vii. Which of the following is an example of service business?
 - (a) Grocery shop
 - (b) Automobile showroom
 - (c) Coaching centre
 - (d) Electronics store
- viii. Which of the following is **not** a type of paint coating?
 - (a) Overcoat
 - (b) Primer
 - (c) Undercoat
 - (d) Finishing coat
- ix. Verbal communication means to communicate using
 - (a) gestures and expressions
 - (b) signs and symbols
 - (c) written and oral words
 - (d) demonstrations

- x. The full form of email is
 - (a) easy mail
 - (b) electronic mail
 - (c) efficient mail
 - (d) extendable mail

Answer the following questions in one word or one sentence:

- 2. What does ICT stand for? 1
- 3. What is welding? 1
- 4. Define solar energy. 1
- 5. What is rain water harvesting? 1
- 6. Name any one type of plant propagation. 1
- 7. What is artificial insemination? 1
- 8. Name the instrument used for measuring blood pressure. 1
- 9. Write an example each on perishable and non-perishable food. 1

Answer the following questions in 20-50 words:

- 10. What is die stock? List any two types of die stock. 1+1=2
- 11. Write any two advantages of DOL starter. 2
- 12. State the importance of quality education towards sustainable development. 2
- 13. Mention any two elements/nutrients required by plants and write their function. 1+1=2
- 14. Why is soil testing important? 2
- 15. What is meant by water pollution? List any two major sources of water pollution. 1+1=2
- 16. List any four elements of communication. 2
- 17. Differentiate between interests and abilities. 2

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

- 18. Explain any four from the 5s of engineering workshop. 4
- 19. What is ferro-cement? State any three benefits of ferro-cement. 1+3=4
- 20. Describe the working system of sprinkler irrigation method. 4
- 21. Write any four differences between two stroke and four stroke engines. 4
- 22. Mention any four steps to be followed in the maintenance of inverter and battery. 4
- 23. Why is mental health important? List any four behaviors or signs of mental problem. 2+2=4
