

2021

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 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: 10x10

- i. In engineering drawing, which line is used to show parts that are not visible in the diagram?
(a) Dimension line (b) Object line
(c) Dashed line (d) Cutting plane line
- ii. In Ohm's law $V=I \times R$. What do I stand for?
(a) Capacitance (b) Current
(c) Voltage (d) Resistance
- iii. Which of the following is not a traditional method of water irrigation?
(a) Check basin irrigation (b) Furrow irrigation
(c) Pot irrigation (d) Sprinkler irrigation
- iv. Which blood group is considered as universal donor?
(a) O (b) A
(c) B (d) AB
- v. An internet is a
(a) phone connection (b) collection of computer network
(c) network of computers in office (d) wireless connection
- vi. Mixture of sand, cement, water and gravel is known as
(a) ferro cement (b) mortar
(c) concrete (d) RCC
- vii. Who prepare maps in India?
(a) Geographical society (b) Survey of India
(c) Indian Institute of Technology (d) Government of India
- viii. Which of the following is not a type of grafting?
(a) Super hard wood cutting (b) Hard wood cutting
(c) Semi hard wood cutting (d) Soft wood cutting
- ix. Which of the following food item gives Vitamin C?
(a) Orange (b) Fish
(c) Milk (d) Egg

- x. We say 'Good Morning' when it is
 - (a) 11 A.M
 - (b) 9 A.M
 - (c) 8 A.M
 - (d) All the above

Answer the following questions in one word or one sentence:

- 2. What is the least count of vernier caliper? 1
- 3. In soil, which nutrient helps the plant to grow many leaves at a fast and vigorous rate? 1
- 4. What is meant by painting? 1
- 5. An internal combustion engine converts which energy into what energy. 1
- 6. How many kilo calories (Kcal) of energy can be obtained in 1 gram of protein? 1
- 7. What type of greeting is 'what's up' ? 1
- 8. What is eutrophication? 1
- 9. List any two things you will do for grooming. 1

Answer the following questions in 20-50 words:

- 10. What is die stock? Mention its two types. 1+1=2
- 11. Why is it necessary to take care of eyes for its good health? 2
- 12. How does an inverter work? 2
- 13. Write any two benefits of fodder. 2
- 14. Write one difference between product based and service based business. 2
- 15. Draw any two geometric symbols and mention their names. 1+1=2
- 16. Write any two advantages of solar energy. 2
- 17. Write any two important points on soil testing. 2

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

- 18. Briefly explain any four uses of internet 4
- 19. Describe the two major types of welding. 4
- 20. Describe the uses of RCC column. 4
- 21. Write any two differences between direct and indirect current. 4
- 22. Explain the importance of nursery. 4
- 23. Write any four types of facilities that are needed for the rehabilitation of people affected from natural disaster. 4
