

Total number of printed pages: 2

NB-T/MSFC(V)/1

2024

Multi Skill Foundation Course (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 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. Mixture of cement, sand and gravels is called
 - (a) mortar
 - (b) concrete
 - (c) ferro-cement
 - (d) RCC
- ii. What is the unit of resistance?
 - (a) Volt
 - (b) Ampere
 - (c) Watt
 - (d) Ohms
- iii. The battery converts which of the following energy into electrical energy?
 - (a) Nuclear
 - (b) Chemical
 - (c) Thermal
 - (d) Mechanical
- iv. The process of collecting, filtering, storing and using rainwater is known as
 - (a) irrigation
 - (b) conservation
 - (c) percolation
 - (d) rainwater harvesting
- v. The method of growing plants without soil is called
 - (a) azolla
 - (b) hydroponic
 - (c) aerobic
 - (d) anaerobic
- vi. Which type of blood cell is called as "soldier of the body"?
 - (a) White Blood Corpuscles
 - (b) Red Blood Corpuscles
 - (c) Thrombocytes
 - (d) Platelets
- vii. What does the word 'Seiri' mean?
 - (a) Sort
 - (b) Shine
 - (c) Standardize
 - (d) Set in order
- viii. According to Howard W. Johnson, which of the following is **not** a basic element of entrepreneur?
 - (a) Invention
 - (b) Innovation
 - (c) Equality
 - (d) Adaptation
- ix. Negative stress is also known as
 - (a) survival stress
 - (b) distress
 - (c) internal stress
 - (d) work stress

- x. How many sustainable development goals were established by the United Nations General Assembly in 2015?
- (a) 14 (b) 15
(c) 16 (d) 17

Answer the following questions in one word or one sentence:

2. Who is an entrepreneur? 1
3. Define self-motivation. 1
4. Write any one principle of sustainable development. 1
5. What is meant by painting? 1
6. List any two areas where contour line is used. 1
7. Why is rainwater storage important? 1
8. Name one method of artificial insemination. 1
9. State any two main components of balance diet. 1

Answer the following questions in 20-50 words:

10. What is effective communication? List any two C's of effective communication. 1+1=2
11. Write four measures to protect computer. 2
12. Draw the symbolic representation of the third angle projection method. 2
13. What are welding fumes? Write one safety measure for protection against welding fumes. 1+1=2
14. Differentiate between direct and alternating current. 2
15. What is a pump? Write any two places where it is used. 1+1=2
16. What is meant by irrigation? Write about any one type of irrigation. 1+1=2
17. What are communicable and non-communicable diseases? 2

Answer the following questions in 60-100 words:

18. Write any four characteristics of concrete cement. 4
19. What is biogas? State any three advantages of biogas. 1+3=4
20. (a) Briefly describe hydroponic fodder production system. 4
Or
(b) State any four importance of nursery.
21. (a) Mention the advantages of packaged food. 4
Or
(b) Write any four reasons on the importance of vaccination.
