



Roll No.

Total No. of Questions : 28]

[Total No. of Printed Pages : 4

10thARM(SZ)JKUT2024

1030

ELECTRONICS AND HARDWARE

(Vocational)

Time : 2½ Hours]

[Maximum Marks : 60

Section-I

(Very Short Answer Type Questions)

1 each

1. Which of the following is an ICT tool ?

(A) Knife

(B) Screw driver

(C) Computer

(D) Drill machine

2. What is the shortcut key for copying the contents in MS-word ?

(A) Ctrl + W

(B) Ctrl + C

(C) Ctrl + V

(D) Ctrl + Copy

3. Use of emojis is type of communication.

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Turn Over

A-30

4. Which among the following may be a cause of depression ?

- (A) Thinking Negatively (B) Communication
(C) Self-Motivation (D) All of these

5. Name *two* input devices of computer.

6. Which device is used to extinguish small fires ?

- (A) Water can (B) Fire extinguisher
(C) Sand (D) Gas

7. Multimeter measures :

- (A) Current (B) Resistance
(C) Voltage (D) All of these

8. Frequency meter is used to measure

9. A motor is a device that converts mechanical energy to electrical energy. (True/False)

10. Major routes of exposure of chemicals at workplace are :

- (A) Inhalation (B) Ingestion
(C) Injection (D) All of these

Section-II

(Short Answer Type Questions-I)

2 each

11. Explain various stress management techniques briefly.
12. What is the importance of green skills ?
13. Explain verbal communication briefly.
14. Define verb. Write a sentence using a suitable verb.
15. A successful entrepreneur should have many good qualities. Explain any two.
16. Give some properties of magnetic field.
17. What is a Computer Virus ? Write one way to protect our computer from viruses. <https://www.jkboseonline.com>
18. Define Electromagnetic Induction.
19. What is the function of magnetron in a Microwave Oven ?
20. What are the various models of Mixer/Juicer/Grinder ?

Section-III

(Short Answer Type Questions-II)

3 each

21. Explain how time management helps in stress management.
22. What are Green Skills ? How can you contribute towards a green economy ?

23. Circuit breaker is a protective device used in electrical circuits.
Explain how.

24. Explain Fleming's left hand rule.

25. Explain the use of various models of Microwave Oven.

26. Explain the term 'Hazard'. How can electrical shocks be minimized?

Section-IV

(Long Answer Type Questions)

6 each

27. There are different barriers in effective communication. Discuss in detail.

Or

Writing skills are a part of communication skills. Frame a paragraph in your own words about an industrial visit.

28. What are the various parts of a Microwave Oven ? Discuss the function of each part.

Or

What is Troubleshooting ? Explain the procedure of troubleshooting a Microwave.