CBCS SCHEME

| USN | | | 15ME662 |
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| | L | Sixth Semester B.E. Degree Examination, | Jan./Feb. 2023 |
| | | Industrial Safety | |
| Tin | ne: í | 3 hrs. | Max. Marks: 80 |
| | N | Note: Answer any FIVE full questions, choosing ONE full qu | uestion from each module. |
| | Module-1 | | |
| 1 | a. | 9 | The second secon |
| | h | pertaining to industry? Explain types of Ladders and Scaffoldings. | (08 Marks) (08 Marks) |
| | υ. | Explain types of Laddels and Scattoldings. | (00 Marks) |
| | | OR | |
| 2 | a. | Explain material safety data sheet contents. | (08 Marks) |
| | b. | . List and briefly discuss the eight steps for Safer Lockout / T | agout programs. (08 Marks) |
| | | M-111-2 | |
| 3 | 0 | Module-2 Explain the fire alarm systems and fire detection systems. | (08 Marks) |
| 3 | a. b. | | (08 Marks) |
| | ٥. | Else the main segeen es of me surety. | (00.111113) |
| | | OR | * |
| 4 | a. | | |
| | b. | | |
| | c. | Briefly discuss the fire triangle. | (04 Marks) |
| | | Module-3 | And the second second |
| 5 | a. | | tools like |
| | | (i) Lathe (ii) Drill press (iii) Power saws (iv) Band sa | |
| | b. | | |
| | | mechanical work. | (08 Marks) |
| | | ALC: | |
| • | 0 | OR Explain the safety precautions to be taken during welding an | nd forging (00 Morks) |
| 6 | a. b. | | |
| | 0. | what procedure is to be followed write disposing an empty | (08 Marks) |
| | | | |
| W 12-27 | | Module-4 | |
| 7 | a. | Define Electrical Safety. List the basic factors to be consider | ered to ensure electrical safety in |

- a. Define Electrical Safety. List the basic factors to be considered to ensure electrical safety in industries. (08 Marks)
 - b. What kind of injuries result from electrical current? Discuss briefly the preventive measures related to electrical hazards. (08 Marks)

OR

- 8 a. Define electric shock and give the comparison between an AC current shock and DC current shock.

 (04 Marks)
 - b. Explain safety precautions taken against electric shock in residential buildings and shops.

 (06 Marks)
 - c. Explain safety precautions taken against electric shock in electric plant.

(06 Marks)

Module-5

- What is chemical safety? List and explain various chemical hazards. (08 Marks) (08 Marks)
 - Discuss what are guidelines to be followed when working with chemicals?

Explain risk assessment followed during chemical safety and give checklist for LPG 10 installation. (08 Marks)

OR

Explain the methods in implement for labeling of chemicals.

(08 Marks)