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B.Tech. (Ind. Engg. & Mgt.) (Spl. in TQM) (Sem.-6)
INDUSTRIAL SAFETY, HEALTH & ENVIRONMENT

Subject Code: IEM-605 M.Code: 71001

Time: 3 Hrs. Max. Marks: 40

INSTRUCTIONS TO CANDIDATES:

- 1. Attempt All EIGHT questions from SECTION-A carrying TWO marks each.
- 2. Attempt any SIX questions out of EIGHT from SECTION-B carrying FOUR marks each.

SECTION-A

1. Answer briefly:

- a) How is the cost of an accident assessed?
- b) What are methods of risk control?
- c) What are different types of fires?
- d) How does the industrial hygiene affect productivity?
- e) How is working environment related to safety?
- f) What are different types of industrial waste that can be reused?
- g) What do you understand by 'carbon credits' and 'emission trading'?
- h) What is OHSAS 18001?

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SECTION-B

- 2. Explain different types of health hazards in a welding workshop.
- 3. What type of planning and standards are followed to prevent the fire loss?
- 4. Explain various health hazard agents in industrial units.
- 5. What are different types of noise? What is its effect? What are methods of noise protection?
- 6. What is soil pollution? Explain its causes, prevention and control.
- 7. What is rain water harvesting? Explain its methods and benefits.
- 8. Explain the role and working of Environmental Regulatory Agencies in India?
- 9. What is sustainable development planning? Explain the impact of industrial development on health and environment.

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NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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