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MIS-035

**MASTER OF SCIENCE IN
INDUSTRIAL SAFETY
(MSCIDS)**

Term-End Examination

June, 2025

**MIS-035 : SAFETY IN VARIOUS INDUSTRIAL
SECTORS**

Time : 3 Hours

Maximum Marks : 70

Note : Answer any **seven** questions. All questions carry equal marks.

1. (a) What are the common hazards in the mechanical industry ? Explain. 5
- (b) How do you develop safety culture in mechanical industry ? Discuss. 5

2. (a) What do you understand by Automobile Safety ? Discuss about safety concepts in an Automobile. 5
- (b) What is the purpose of seat belt in an Automobile ? How does it function ? 5
3. (a) Discuss various precautions to be taken and procedures to be followed while handling hazardous materials in chemical industry. 5
- (b) Discuss in brief the danger of high pressure operations, their causes and control measures. 5
4. (a) Discuss in detail about various fire detection systems used in chemical and petroleum industries. 5
- (b) Discuss the events on the day of Bhopal Gas Tragedy in detail. 5

5. (a) What are the safety measures to be taken at the spinning mill ? Explain. 5
- (b) Why is Personal Protective Equipment (PPE) required for man-made fibre manufacturing industry ? Explain. 5
6. (a) Why are safety measures essential in textile industry ? Explain. 5
- (b) Discuss about the various health effects caused by wet processing industry and suggest suitable precautions to be taken to avoid the health impacts. 5
7. (a) Discuss in detail the safety measures to be taken in the knitting unit. 5
- (b) Discuss the importance of HACCP and GMP in food safety. How do they complement each other ? 5

8. (a) Explain the structural and procedural requirements of a BSL-4 laboratory. 5
- (b) Describe the guidelines for biohazard disposal according to international standards and regulations. 5
9. Write short notes on any *four* of the following : 4×2.5=10
- (a) Emergency Response Planning (ERP)
- (b) Collision Warning System
- (c) Flame Detector
- (d) Blow room
- (e) Garment manufacturing

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