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MIS-037

M. SC. (INDUSTRIAL SAFETY)

(MSCIDS)

Term-End Examination

December, 2025

MIS-037 : SAFETY AUDIT

Time : 3 Hours

Maximum Marks : 70

Note : Attempt any *five* questions. All questions carry equal marks.

1. (a) Define safety audits. How do they differ from routine safety inspections ?

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- (b) What is a Safety Management System (SMS) ? Why is it important across industries ?

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2. (a) Differentiate between internal and external safety audits. What are their advantages and disadvantages ?

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- (b) What factors should be considered when establishing audit criteria, scope and timelines ? 7
- 3. (a) What is the importance of document review in safety audits ? How are deficiencies recorded ? 7
- (b) Why is it important to understand safety regulations ? What are the key legislations and standards guide audits ? 7
- 4. (a) Enlist the primary methods of hazard identification. How does each method contribute to workplace safety ? 7
- (b) What are the key differences between leading and lagging safety performance indicators ? 7
- 5. (a) What are the key legal requirements and stakeholder responsibilities in emergency response planning ? 7
- (b) What are the essential steps in developing effective corrective action plans for addressing non-conformities or emergency incidents ? 7

6. (a) Why is building rapport with auditees important in auditing ? What techniques can auditors use to establish it ? 7
- (b) What are the key legal responsibilities of auditors in safety and environmental audits ? 7
7. (a) What are the unique hazards present in chemical and process industries ? How should audits be tailored to address these risks ? 7
- (b) How is Artificial Intelligence (AI) transforming safety and emergency audits ? What are the key benefits and challenges of using AI in safety auditing ? 7

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