



IES COLLEGE OF ENGINEERING, CHITILAPPILLY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

QUESTION BANK

MODULE – I

1. What is the purpose of safety organization.
2. What are different types of cost involved in the accident.
3. Which are the various accident causation theories? Explain.
4. Define terms: Accident, Reportable accident, Dangerous occurrence.
5. Differentiate Unsafe act and Unsafe conditions with suitable examples.
6. Discuss the significance of a safety committee in improving the safety performance of an industry.
7. Discuss the significance of safety policy in reducing the accidents.
8. What are the role and responsibilities of union in safety.
9. List out any four safety management functions.
10. Explain the relation between safety and productivity in industries.

MODULE – II

1. Which are five 'S' used in housekeeping?
2. Which are the different types of permits? Highlight its suitability.
3. Classify the personal protective equipment. List the suitability of at least fifteen types of PPEs.
4. How will you calculate the frequency rate? Explain with an example.
5. Discuss about how to compare the safety performance of two industries.
6. Discuss the significance of work permit system in accident prevention.
7. Which are the steps to be followed in confined space entry to protect the life a worker.
8. Differentiate respiratory and non-respiratory PPE's.
9. Write Indian standards for PPE's.
10. Explain Hazards in a confined space.

MODULE – III

1. Distinguish ladders and scaffolds along with their safety features.
2. Discuss the safety requirement for a confined space entry.
3. Explain the important provision in the National Building Code.
4. List the various safety features of ladders.
5. How safety of the workers can be ensured during a demolition operation.
6. Discuss the safety and fire protection facilities required for a high rise building as per National building code.
7. Identify the various hazards during the different stages of building construction.
8. Discuss the important types of ergonomic hazards associated with industries.



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9. Explain about Musculoskeletal disorders.
10. Discuss the safety require for underpinning and shoring.

MODULE – IV

1. Explain the various principles used in machine guarding.
2. Explain the issues in mechanical material handling.
3. Which are the hazards associated with manual material handling?
4. Discuss the safety issues of Gas welding operations.
5. Which are the various types of machines guarding devices used industries. Discuss the suitability of each machine guarding devices.
6. With suitable sketches briefly explain seven defects of wire ropes.
7. Explain safety measures require for turning.
8. Explain safety measures require for grinding.
9. Describe different types of machine safeguard devices.
10. Discuss about safety hazards in machines.

MODULE – V

1. What is Hazard and Operability Analysis? How do you conduct a HAZOP analysis?
2. Discuss about different types of chemical hazards.
3. Differentiate Hazard and Risk.
4. Why MSDS is mandatory for chemical products.
5. Explain different types of fire extinguishers accordance to type of fire.
6. Explain different types of hazards.
7. Discuss about hazardous properties of chemicals.
8. Describe about how to control chemical hazards.
9. Explain various steps in HAZOP procedure.
10. Explain about hazard identification process.