
INDUSTRIAL SAFETY

Question Bank

UNIT- 01

1. Define the following terms as related to Industrial safety: Accident, Slip, Trip and Fall. **VTU (08Marks)**
 2. Mention any six unsafe acts and unsafe conditions that lead to Industrial accidents. **VTU (08Marks)**
 3. Briefly discuss the safety climbing guidelines while using ladders. **VTU (08Marks)**
 4. List and briefly discuss the eight steps for safer Lockout/ Tagout programs. **VTU (08Marks)**
 5. Write short notes on the following i) Hazard (ii) safety device (iii) MSDS (iv) OSHA **MQP (08Marks)**
 6. What are the various unsafe acts near our house keeping surroundings? Explain. **MQP (08Marks)**
 7. Write down the short case study about the road safety? **MQP (08Marks)**
 8. Write a short note on safety sampling techniques? **MQP (08Marks)**
 9. What are the types of standard used in occupation safety and hygiene? **MQP (08Marks)**
 10. Discuss different safety organizations and their role and objectives. **MQP (08Marks)**
 11. With a suitable case study discuss about the safety measure for lab and campus layout. **MQP (08Marks)**
 12. Explain the various risks involved in working at height using (i) Scaffolds (ii) Ladders. **MQP (08Marks)**
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UNIT - 02

1. List the various types/classes of fire, their extinguishers and their working principles. **VTU (08Marks)**
2. List the main objectives of fire safety. **VTU (08Marks)**
3. Briefly discuss the fire triangle. **VTU (03Marks)**
4. Explain the steps to be taken after the occurrence of fire. **VTU (05Marks)**
5. Discuss the various types of fire detectors generally used in a power plant. **VTU (08Marks)**
6. Discuss the common causes of industrial fires. **MQP (08Marks)**
7. Describe the classification of fire loads? **MQP (08Marks)**
8. With the help of suitable case study explain the cause of fire. **MQP (08Marks)**
9. Explain some fire detection alarm system. **MQP (08Marks)**
10. What are the significant of fire fighting system? How the fire accident can be prevented? **MQP (08Marks)**

UNIT - 03

1. What are the safety precautions to be taken while storing a compressed gas cylinder? **(08Marks)**
 2. Discuss briefly the storage, handling and decontamination plan for a waste drum of a hazardous substance. **(08Marks)**
 3. Explain the safety precautions to be taken during welding. **(08Marks)**
 4. What procedure is to be followed while disposing an empty hydrocarbon container? **(08Marks)**
 5. Write short notes on the following.
(i) PPE (ii) Machines Safety tools (iii) Safety for compressed Gas cylinders (iv) Safety for welding **MQP (16Marks)**
 6. What are the various Mechanical hazards in industry. Explain **MQP (08Marks)**
 7. What are the various safety tools required for lathe operation. **MQP (08Marks)**
 8. What are the various safety tools required for grinding operation. **MQP (08Marks)**
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UNIT - 04

9. What are primary and secondary electric shocks? Discuss the effect of electric current on human body. **(08Marks)**
10. Discuss various safety precautions to be taken in small and residential building installations against electrical hazard. **(08Marks)**
11. Discuss the process of achieving electrically safe work conditions. **(08Marks)**
12. Discuss various safety procedures and paper work to be enforced while commissioning operation and maintenance of electrical installation in an electrical plant. **(08Marks)**

UNIT- 05

13. List the inspection criteria check list for piping in an LPG installation. **(08Marks)**
 14. Discuss the safety precautions for vehicular use of CNG. **(08Marks)**
 15. List the various questions to be asked during an accident investigation. **(08Marks)**
 16. Discuss the objectives for safety, health and environment protection of the company. **(08Marks)**
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