

Total No. of Pages: 2

**8001**

Register Number:

Name of the Candidate:

**DIPLOMA EXAMINATION, December 2014**

**(FIRE AND SAFETY)**

**120. INDUSTRIAL SAFETY**

Time: Three hours

Maximum Marks: OR-100 Marks

: NR-75 Marks

**SECTION-A**

**(3×20=60)**

**Answer any THREE questions**

1. a) Describe briefly the various work permit systems used in industries. (10)
- b) Write briefly about the duties of Safety officer and the safety policy involved in industries. (10)
2. a) What are the risks involved in Excavation work and how they may be prevented? (10)
- b) Discuss about the Lockout and Tag out systems. List the merits and demerits of this system. (10)
3. a) Elaborate briefly about the maintenance and upkeep of PPE's commonly used in industries. (10)
- b) Discuss about the importance of Good Housekeeping. (10)
4. a) Write a detailed note on working in confined places and indicate the nature of work permit system. (10)
- b) Elaborate the risks involved in sand blasting and hot works and how these can be prevented. (10)
5. a) Write a detailed note on MSDS and Threshold Limits. (10)
- b) Brief about the Road safety rules and the regulation for heavy vehicle movement. (10)

**SECTION-B**

**(4×10=40)**

**Answer any FOUR questions**

6. a) Write a detailed note on different types of Accidents their Cause and prevention. (5)
- b) List the methods by which accidents are investigated and Reported. (5)
7. a) List the Hazards and Safety in usage of High pressure air. (5)
- b) Write a detailed note on Factories act 1948. (5)
8. a) Explain the concept involved in the standards of Earthing of Electrical equipments. (5)
- b) Write a detailed note on static electricity risks and its prevention. (5)

9. a) List out the Hazardous properties of chemicals. (5)  
b) Explain briefly about the carrying of heavy machineries and on manual lifting. (5)
10. a) Write briefly about handling and storage of compressed gas cylinders. (5)  
b) What are the risks associated with welding and gas cutting operations. (5)
11. a) Write a note on risks involved in Radiation environment and how they may be minimized. (5)  
b) How hazardous materials transported and stored? (5)
12. a) Explain the term 'Explosive limits of flammability'. (5)  
b) Discuss in detail about the PPE's used for dust, fumes and vapours environment. (5)

\*\*\*\*\*