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Register Number:

Name of the Candidate:

DIPLOMA EXAMINATION, May 2015

(INDUSTRIAL HYGIENE)

110. HAZARDS IN WORK PLACES

Time: Three hours

Maximum: 100 marks

**Answer any FIVE questions
All questions carry equal marks**

(5×20=100)

1. a) Explain the hazards due to improper housekeeping.
b) Discuss the hazards due to fire in multifloor industries and buildings.
2. Explain the physical and chemical properties of chemical leading to accidents like explosion, ingestion and inhalation and dangers of dusts.
3. Explain the hazards peculiar of the following industries.
 - a) Petroleum refinery, petrochemicals and organic chemicals.
 - b) Paints, dyes and dyeing of fabrics
4. Discuss the hazards due to exposure to heat radiation, ionizing radiations and non-ionizing radiations.
5. a) What are the hazards in compressed air generation?
b) Explain the electrical equipments and distribution hazards.
6. Explain the control of Hazards in steam boilers and atomic power plants.
7. Discuss the guidelines and safe methods in chemical handling, storage into confined spaces.
8. Discuss the hazards in open cost and underground mines due to poisonous gases.
