

Roll No.

Subject Code—889-X

P. G. Diploma EXAMINATION

(Re-appear)

INDUSTRY SAFETY MANAGEMENT

PGDISM-03

Industrial Hazards and Accidents

Time : 3 Hours

Maximum Marks : 100

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

1. Explain the terms with suitable diagrams :

- (a) House-keeping
- (b) Machine Guards
- (c) Explosives and Detonators
- (d) First Aid
- (e) Hand Tools and Power Tools. **5×4=20**

2. Define Mechanical Hazards. Discuss various hazards related to cutting and tearing, crushing and welding. Discuss various precautionary and protective measures to avoid mechanical hazards. 20
3. (a) Discuss various electrical hazards in the industries. 10
(b) Suggest a plan to control electric hazards in the industries. 10
4. Define Chemical Hazards. Discuss the effects of chemical hazards, their prevention and control strategies. 20
5. (a) Briefly explain the industrial hazards from inflammable and volatile materials. 10
(b) Write a brief note on fire control measures in industries. 10
6. Give a detailed account of various hazards and preventive measures related to building construction and demolition. 20

7. (a) Explain various hazards related to pressure vessel rupture and discharges from safety valves. 10
(b) Explain methods and strategies to control pressure related hazards in the industries. 10
8. Write brief notes on the following : 10,10
(a) Principles of accident prevention in industries
(b) Internal transport and Safety in industries.