

Roll No.

Subject Code—2242

P. G. Diploma EXAMINATION

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 various principles of accident prevention related to machines, electrical apparatus, fire and explosives.
2. Discuss mechanical hazards and preventive devices related to cutting and tearing, crushing and welding with suitable diagrams.
3. Define Chemical Hazards. Discuss various chemical hazards, their prevention and control with suitable examples.

(3-01-6-09)

P.T.O.

4. Write brief notes on the following :
 - (a) Lightning and Overheating hazards and their prevention.
 - (b) Electric hazards due to equipment failure and their management.
5. What are Inflammable and volatile materials ? Give examples. Explain the prevention and control of explosion and detonation.
6. Explain various hazards related to manual and mechanical handling of materials. Discuss their prevention and control methods with examples.
7. Give a detailed account of various hazards related to building and contraction activities. Explain various preventive measures during foundation and excavation, walling, demolition and roofing.
8. Write brief notes on the following :
 - (a) Hazards and prevention measures related to safety valves.
 - (b) Respirable personal protective equipments.