DIPLOMA IN INDUSTRIAL SAFETY EXAMINATION DECEMBER 2013.

520 — SAFETY IN PROCESS PLANTS

Time: Three hours  Maximum: 100 marks

Answer any FIVE questions.  
(5 \times 20 = 100)

All questions carry equal marks.

1. Discuss the role and importance of ventilation and lighting in process plants.

2. Explain various methods of machine guarding in detail.

3. Discuss different types of fire extinguishers and their applications.

4. (a) Discuss the common causes of industrial fires.  
     (b) Explain some fire detection alarm system.

5. Discuss various respiratory personal protection devises used in process plants.

6. Discuss the importance and selection of personal protection equipments.

7. Explain the structure of an effective structure disaster management system.

8. Discuss the role of management and public in managing accidental hazards in process plants.

9. Discuss various accidents related with maintenance.

10. Write short note on:
     (a) Work permit system
     (b) Clearance Procedure.   

     (10 + 10)