DIPLOMA EXAMINATION DECEMBER 2013.

(INDUSTRIAL SAFETY)

510 — INDUSTRIAL HAZARDS

Time : Three hours Maximum : 100 marks

Answer any FIVE questions. (5 x 20 = 100)

All questions carry equal marks.

1. Discuss various safety instructions for
   (a) Welding (10)
   (b) Manual lifting. (10)

2. Discuss the various hazards inherent in improper housekeeping and steps to reduce.

3. Discuss the harmful effects with toxic chemicals and how to control them.

4. Discuss various safety measures followed in the use of gas cylinders.

5. Explain the various risks involved in working at height using
   (a) Scaffolds (10+10)
   (b) Ladders.

6. Explain various safety instructions for
   (a) High pressure vessels (10)
   (b) Lifting and carrying of heavy machinery (10)

7. Describe the various electrical hazards and electrical safety devices.

8. Write short note on
   (a) Overload and short circuit protection (10)
   (b) Effect of shock on human body. (10)

9. Discuss the hazards associated and safe handling of various radioactive materials.

10. Write short note on
    (a) Noise absorption techniques (10)
    (b) Effect of vibrations. (10)