

POST GRADUATE DIPLOMA IN
MANAGEMENT IN INDUSTRIAL SAFETY,
HEALTH & ENVIRONMENT PGDM (ISHE)

Term-End Examination

December, 2013

MIS-010 : ELECTRICAL SAFETY MANAGEMENT

Time : 3 hours

Maximum Marks : 70

- Note : (i) Attempt five questions in all.
Question no. 1 and 2 are compulsory.
(ii) All questions carry equal marks.

1. Define any four of the following : $4 \times 3\frac{1}{2} = 14$
- (a) Capacitor
 - (b) Fuses
 - (c) Neutral wire
 - (d) Short circuit
 - (e) Earthing.
2. Write short notes on any four of the following : $4 \times 3\frac{1}{2} = 14$
- (a) First aid during electrical shock
 - (b) Fire extinguisher for electric fire
 - (c) Electrical safety in houses
 - (d) Human resistance to electric current
 - (e) Role of safety officer.
3. Describe the various control and prevention techniques for electrical safety in industry. 14

4. Explain the electric work permit system and write down salient features of electrical permit system. **14**
 5. Write down the salient features of Indian electricity rules with respect to periodical inspection and testing of installation. **14**
 6. What are the roles of protective equipment and clothing to avoid hazardous in work place ? **14**
 7. Explain in detail the purpose of the Electrical Safety Management Plan (ESMP). **14**
 8. What type of training do you recommend for the treatment of any victim suffered from severe electric shock ? **14**
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