

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

Term-End Examination

June, 2014

MIS-010 : ELECTRICAL SAFETY MANAGEMENT

Time : 3 hours

Maximum Marks : 70

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- Note :**
- (i) *Attempt five questions in all.*
 - (ii) *Question no. 1 and 2 are compulsory.*
 - (iii) *All questions carry equal marks.*
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1. Define **any four** of the following : **4x3½=14**
 - (a) Fuse
 - (b) Transformer
 - (c) Electrocution
 - (d) Ohm's Law
 - (e) Electrical Hazards

2. Write short notes on **any four** of the following : **4x3½=14**
 - (a) Electrical Safety in houses
 - (b) First Aid during electrical shock
 - (c) Use of Personal Protective Equipment (PPE) in electrical work
 - (d) Fire extinguisher for electric fire
 - (e) Fire triangle

3. Describe the various control and prevention **14** techniques for electrical safety in industry.

4. Explain the electric work permit system and write down salient features on 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 type of training do you recommend for the treatment of any victim suffered from severe electric shock ? 14
 7. What are the safety parameters in hot work on high voltage line and equipment ? 14
 8. Explain electrical earthing system with details of IE Rule - 67. 14
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