

00689

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

Term-End Examination

June, 2011

**MIS - 010 : ELECTRICAL SAFETY
MANAGEMENT**

Time : 3 hours

Maximum Marks : 70

Note : (i) Attempt five questions. Question no. 1 and 2 are compulsory.

(ii) All questions carry equal marks.

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1. Define *any four* of the following : **4x3½=14**
 - (a) Voltage
 - (b) Transformer
 - (c) Insulator
 - (d) Electrocution
 - (e) Short Circuit

 2. Write short notes on *any four* of the following : **4x3½=14**
 - (a) Fundamentals of electricity
 - (b) Electrical fire
 - (c) Working at high voltage
 - (d) Electrical hand tools
 - (e) Rubber hand gloves for electrical applications.

3. Explain the safety procedures in operation and maintenance of electrical equipments. 14
 4. What are the safety features in switch gears and control gears ? 14
 5. Explain the procedures of lock-out and tag-out in electrical operations. 14
 6. Why "work permit" is required for repair/ maintenance of electrical installation ? Specify three activities where it is required and the responsibility of issuing authority. 14
 7. Describe factors which causes deterioration of electrical equipment which are hazardous. Write down at least 10 Do's and 10 Don'ts during electrical maintenance. 14
 8. Describe electrical accidents causing harm to men, machines and materials. What general safety measures to be observed ? 14
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