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

Term-End Examination

June, 2012

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.

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1. Define *any four* of the following : **4x3½=14**
- (a) Ohm's Law
 - (b) Alternating current (AC)
 - (c) Hot line work
 - (d) Short circuit
 - (e) Insulator
2. Write short notes on *any four* of the following :
- (a) Earthing **4x3½=14**
 - (b) Electrical Hand tools
 - (c) Rubber Hand gloves for electrical applications
 - (d) Electrical Hazards
 - (e) Human resistance to electric current.

3. Describe the aspects of safety especially in working with high voltage operations in an industry. 14
 4. 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
 5. Describe factors which causes deterioration of electrical equipment which are hazardous. Write down at least 10 Do's and Don'ts during electrical maintenance. 14
 6. What are the roles of protective equipment and clothing in avoiding hazards in work place ? 14
 7. Describe in detail the electrical safety management and practices in a large industry. 14
 8. Describe the salient features of Indian Electricity rules with respect to periodical inspection and testing of installation. 14
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