

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

**Term-End Examination**

**June, 2013**

**MIS-010 : ELECTRICAL SAFETY MANAGEMENT**

*Time : 3 hours*

*Maximum Marks : 70*

*Note : Question No. 1 and 2 are compulsory. Attempt five questions in all. All questions carry equal marks.*

1. Define *any four* of the following : **4x3½=14**
  - (a) Alternating Current (AC)
  - (b) Insulators
  - (c) Magnetic circuit breaker
  - (d) Ohm's Law
  - (e) Resistance
  
2. Write short notes on *any four* of the following : **4x3½=14**
  - (a) Electrical Hazards
  - (b) Electrical Hand Tools
  - (c) Working at high voltage
  - (d) Use of PPE in electrical work
  - (e) Rubber hand globes for electrical applications

3. What is electrical shock and explain in detail its effect on the human body ? 14
  4. Describe the classification and selection of electrical installation in hazardous area. 14
  5. Write down the importance of electrical preventive maintenance with at least 10 Do's and 10 Don'ts in electrical maintenance. 14
  6. What are the periodic and efficient check ups for motors and electrical installation to avoid electrical hazards ? 14
  7. Describe in detail the electrical safety management and practices in a large industry. 14
  8. What are the precautions to be taken to avoid electric shock ? 14
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