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**DIPLOMA IN INDUSTRIAL SAFETY,  
HEALTH AND ENVIRONMENT  
MANAGEMENT  
DM (ISHE)**

**Term-End Examination**

**December, 2010**

**BIS-012 : 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) Electrical safety
    - (b) High voltage
    - (c) Static electricity
    - (d) Short circuit.
    - (e) Capacitor.
  
  2. Write short notes on *any four* of the following : **4x3½=14**
    - (a) Electricity Rules
    - (b) Electrical Hazards
    - (c) Working at height
    - (d) Rubber hand globes for electrical applications.
    - (e) Electrical hand tools

3. What could be the reasons for an electrical shock? 14
  4. What are the required periodic and efficient checkups for motors and electrical installation to avoid electrical hazards ? 14
  5. What are the roles of protective equipments and clothings in avoiding hazards in work place ? 14
  6. Describe in detail the electrical safety management and practices in a large industry. 14
  7. Describe the classification and selection of electrical installation in hazardous area. 14
  8. Why "work permit" is required for repair/ maintenance of electrical installation ? Justify your answer with suitable examples. 14
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