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

00169

Term-End Examination

December, 2012

MIS-008 : ACCIDENT PREVENTION AND COST OF ACCIDENT

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.*

1.   Define **any four** of the following :   4x3½=14
     (a)   Severity
     (b)   Total disability
     (c)   Role of safety officer
     (d)   Accident Report
     (e)   Safety indices.

2.   Write short notes on **any four** of the following :
     (a)   Domino theory   4x3½=14
     (b)   Investigation of an accident.
     (c)   Accident enquiry committee
     (d)   Mitigation system.
     (e)   Health Monitoring in Industry.

3. Describe the accident-prevention measures to be followed in industry to minimize accidents. **14**

4. Draw an accident triangle and explain the various elements in the triangle. Also suggest the preventive measures. **14**

5. What are the direct and indirect costs associated with accidents? **14**

6. What is the relation between route causes and the multiple causation theory of accident? Explain in detail. **14**

7. Explain in detail how the industrial accident is connected with employees, employer, Government, Society, Product, Processes and environment. **14**

8. A contractor who employs an average of 600 men working 48 hrs per week for 60 weeks has 12 disabling injuries and a total of 30 days lost from work. Calculate injury frequency rate, injury severity rate and injury index. **14**

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