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

00541

Term-End Examination

December, 2013

MIS-007 : SAFETY ENGINEERING

Time : 3 hours   *Maximum Marks : 70*

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

1.   Define **any four** of the following :   4x3½=14
     (a)   Employer liability
     (b)   Team lifting
     (c)   Safety in material handling
     (d)   Safety committee
     (e)   Safety officer

2.   Write short notes on **any four** of the following :

4x3½=14

     (a)   Safety benefits and engineering design.
     (b)   Chemical burn injuries.
     (c)   Safety in sand blasting
     (d)   Training and development of safety
     (e)   Occupational disease.

3.   "Safety alone is not the objective of safety   14
     engineering. Health of worker should also be
     included in the objective" - Justify the statement.

4.   Explain the importance of national and international standard specifications of PPE. Also mention types of PPE.   **14**

5.   Why do accidents occur in industries ? Suggest the measures to prevent industrial accidents and to provide safety for plant and personnel.   **14**

6.   Explain the principle of ergonomics and interface design. Is ergonomics related to productivity ? Justify your answer.   **14**

7.   What is safety training and why is it necessary ? Discuss the attributes a trainer of safety should possess.   **14**

8.   (a)   Explain the various safety engineering parameters as per product liability and process liability.   **2x7=14**

   (b)   Describe the importance of safety in design of equipment.

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