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

00005

Term-End Examination

June, 2012

MIS-004 : SAFETY IN BUILDING AND CONSTRUCTION

Time : 3 hours   *Maximum Marks : 70*

Note : (i) *Attempt five questions in all. Q. 1 and Q. 2 are compulsory.*

(ii) *All questions carry equal marks.*

1. Define *any four* of the following :   4x3½=14

   (a) Tunnelling

   (b) Toxic materials

   (c) Injury frequency rate

   (d) Battered excavation

   (e) Access and egress.

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

   4x3½=14

   (a) Storage and handling of building materials

   (b) Demolition of a building in a built up area

   (c) Characteristics of a safety programme

   (d) Classification of construction accidents

   (e) Role of safety director.

3. Describe in brief the importance of good 14 Housekeeping in safety management.

4. List down the causes of accidents in a big 14 construction project. Also mention the precautionary measures to be taken to avoid each one of these accidents.

5. Define and explain the direct and indirect cost of 14 an accident.

6. A contractor who employs an average of 300 men 14 working 48 hours per week for 45 weeks has 12 disabling injuries and a total of 30 days lost from work. Calculate injury frequency rate, injury severity rate and injury index.

7. What kind of training would you recommend for 14 general safety programmes for a construction project ?

8. Describe the tangible and intangible benefits of 14 safety management at a construction site. Give suitable examples to support your answer.

———