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

Term-End Examination December, 2010

MIS-003: MACHINES AND MACHINE GUARDS

Time: 3 hours Maximum Marks: 70 Attempt five questions in all. Question Nos. 1 & 2 *Note* : (*i*) are compulsory. All questions carry equal marks. (ii) 1. Define any four of the following: $4x3\frac{1}{2}=14$ (a) Revolving Machinery. (b) Trip Guards. (c) Safety of Job. (d) Sound. Ventilation. (e) Write short Notes on any four of the following: 2. $4x3\frac{1}{2}=14$ (a) Fencing of Machines. (b) Safety of the workers. (c) Quality of safety management. (d) Material handling. Accident on unguarded machines. (e)

- Explain the causes of accidents in a large 14
 manufacturing industry.
- Identify the sources of dangers in a welding shop
 and explain briefly the steps you would take for
 protection against such dangers.
- 5. What are the general principles of machine guards for reducing the risk of injuries from work, involving machineries?
- 6. What are the different considerations made in the design of equipment and machines to reduce accidents?
- 7. Describe safety in lifting machines with specific 14 mention of cranes.
- 8. Explain the training needs and contents of modules for training the operator of Fork lift truck.