

00145

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

Term-End Examination

June, 2014

MIS-003 : MACHINES AND MACHINE GUARDS

Time : 3 hours

Maximum Marks : 70

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- Note :** (i) *Attempt five questions in all.*
(ii) *Question No.1 and 2 are compulsory.*
(iii) *All questions carry equal marks.*
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1. Define **any four** of the following : **4x3½=14**
 - (a) Trip Guards
 - (b) Sound
 - (c) Dangerous Parts
 - (d) Mechanical Hazard
 - (e) Interlocking guards

2. Write short notes on **any four** of the following : **4x3½=14**
 - (a) Abrasive discs and cylinder wheels
 - (b) Fly wheel and speed limits
 - (c) Fire Extinguishers
 - (d) Preventive Maintenance
 - (e) Power transmission devices

3. What are the general principles of machine guards **14**
for reducing the risk of injuries from work,
involving machineries ?

4. Explain the training needs and contents of modules for training the operator of fork lift truck. 14
 5. What are the five leading causes of accidents in an automobile industry ? 14
 6. Identify the sources of danger in a Press shop and explain briefly the steps you would take for protection against such dangers. 14
 7. (a) Explain the maintenance and inspection of fork lift truck to avoid failure and accidents.
(b) Describe atleast ten typical check points for daily inspection of fork lift truck. 7+7=14
 8. Write the employer's responsibilities in using machinery with the provisions and use of work equipment. 14
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