

00903

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

Term-End Examination

June, 2010

MIS-007 : SAFETY ENGINEERING

Time : 3 hours

Maximum Marks : 70

Note : (i) Attempt five questions. Question no. 1 and 2 are compulsory.

(ii) All questions carry equal marks.

1. Write short notes on *any four* of the following : $4 \times 3\frac{1}{2} = 14$
 - (a) Use of personal protective equipment.
 - (b) Evolution of the concept of industrial safety.
 - (c) Fork lift
 - (d) Safety in design
 - (e) Safety in sand blasting

2. Define *any four* of the following : $4 \times 3\frac{1}{2} = 14$
 - (a) Safety
 - (b) Team lifting
 - (c) Emergency preparedness
 - (d) Safety in material handling
 - (e) Fire safety

3. Describe in detail the types of materials handling equipment and explain with safety requirement. 14

 4. (a) Explain the theory of mechanical operations in materials handling 2x7=14
(b) Describe in brief the 7 B of Factory Act in relation to safety engineering.

 5. What are the parameters to be observed during inspection of Personal Protective Equipment (PPE) and explain the importance of quality management of PPE. 14

 6. Explain the importance of national and international standards specifications of PPE. Also mention types of PPE. 14

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

 8. Describe the types of Accidents and discuss the preventive measures. 14
-