

00179

**POST GRADUATE DIPLOMA IN FIRE SAFETY  
AND DISASTER MANAGEMENT  
(PGDFSTYDM)**

**Term-End Examination  
December, 2012**

**MSE-011 : INDUSTRIAL SAFETY**

*Time : 3 hours*

*Maximum Marks : 100*

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*Note : Group - 'A' is compulsory. Answer any five from  
Group - 'B' carry ten marks each. Answer any two from  
Group 'C' carry fifteen marks each.*

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**GROUP - A**

1. Fill in the blanks : 10x1=10
- (a) Henrich's results gives \_\_\_\_\_ % of accident occur due to unsafe act and condition.
  - (b) \_\_\_\_\_ no. of causes was taken by Bird for his study.
  - (c) Frequency rate of accident is \_\_\_\_\_ .  
Where worker = 250, disability = 10, average hours = 2000.
  - (d) For working at height, \_\_\_\_\_ is the limit of height.
  - (e) In Factory act 1948, Health Provision is in chapter \_\_\_\_\_ .

- (f) \_\_\_\_\_ is the safe Ladder Position.
- (g) Vapour Density = Molecular weight
- (h) Normal DCP have \_\_\_\_\_ % of sodium bicarbonate.
- (i)  $CS_2$  have \_\_\_\_\_ °C of Flash Point.
- (j) \_\_\_\_\_ ratio maintain for Benching system of Excavation job.

2. (a) What do you mean MAC ? 5x2=10
- (b) Define J.S.A.
- (c) 'WPS' is used for what purpose ?
- (d) Byssinosis found in which industry.
- (e) Generally in factory How much Lux are required ?

**GROUP - B**

**5x10=50**

3. Write a note on H.S.E. Policy.
4. Describe about Industrial Psychology.
5. Give the definition of PTW, Explain about confined spaces.
6. Why checklist should be required for preventive measures ? Explain.
7. Write safety measures for Paint Solvent mixing job or spray painting.
8. How do you maintain reasonability in practical Risk Analysis ?
9. What do you understand by Passive Fire Protection ?

**GROUP - C**

**2x15=30**

10. Why safety is important for Industries ?
  11. Write a note on Quantitative Risk Analysis.
  12. Describe Disaster Management Plan.
  13. What is importance of records at Fire Station ?
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