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

Term-End Examination

December, 2011

**MSEE-004 : MANUFACTURING PROCESS
INDUSTRIES**

Time : 3 hours

Maximum Marks : 100

Note : *Section-I Answer all questions, carry equal marks.*

Section-II Answer any 6- all questions carry equal marks.

Section-III Answer any 2- carry 25 marks each.

SECTION - I

(2 marks each)

1. A risk and a hazard are the same thing. Yes/No
2. Noise does not represent a risk below about 90 dB. Yes/No
3. Temporary workers have the same right to safety information as other employees. Yes/No
4. Age doesn't matter, risk affects every one equally. Yes/No

5. You have to keep occupational health surveillance records for 40 years. Yes/No
6. Health and safety failures cost our country up to Rs. 5000 crores each year. Yes/No
7. Over a million workers get injured every year. Yes/No
8. Pull, rather than push when moving equipment. Yes/No
9. Most common cause of death of worker is fall from height. Yes/No
10. Never stock combustible material near sources of Ignition. Yes/No

SECTION - II

Answer *any* 6 questions, carry 5 marks each.

11. Define fire extinguishers and its types. 5
12. Safety managers always talk that he is on the top of the safety matters. But in court safety managers always been taken to task for failure to act professionally. Why ? 5
13. Metal ladders are prohibited in some areas of work. Why and where ? 5
14. If smoking is prohibited in an area. How you will detect that there is smoke ? 5
15. What are the correct technique to lift an article ? 5
16. What types of Extinguisher will be used after fire from fuel, electric and Gas ? 5
17. What is ladder. Why short ladders should not be spliced together ? 5
18. Temporary employees have the same right as permanent employees. Do you agree - If not give reasons. 5

SECTION - III

Answer *any 2* questions. Each carry 25 marks.

19. State different methods of identification of Risk. Also highlight the infrastructure risk on over all risk analysis. 25
20. Define the Hot work permit system. Under what conditions the permit be approved in hazardous zone. 25
21. Explain why ordinary switches are not suitable for extra Hazardous zones. What suitable electrical switch / equipment is recommended. 25
22. Write short notes on : 25
- (a) Respirators
 - (b) Breathing Apparatus
 - (c) Safety Belts
 - (d) Chemical Suits
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