

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

**Term-End Examination**

**December, 2013**

**MSEE-004 : MANUFACTURING PROCESS  
INDUSTRIES**

*Time : 3 hours*

*Maximum Marks : 100*

*Note : Questions to be attempted as per instructions given  
against each section.*

**SECTION-I  
(2 marks each )**

**2x10=20**

1. Ohm's law used in electrical calculations.  
(Yes/No).
2. Dosimeter is used to measure radiation Level.  
(Yes/No)
3. Frequency is number of cycle per second.  
(Yes/No)
4. Fall arrester systems is used where the worker's  
needs to work on 2 meter above height. (Yes/No)
5. It is mandatory to appoint a Safety Officer on  
construction site ? (Yes/No)

6. Chemical Hazards is a part of occupational health risk. (True/False)
7. What is the 'CPR' in expended from related to First Aid ?
8. All machinery should be providing with electrical earthing/Bonding. (True/False)
9. Electrical shock is related to Central Nervous System in human body. (True/False)
10. Work to permit is meant by authority to work on site. (True/False)

#### SECTION-II

(Any 6 questions. 5 marks each)

5x6=30

11. What are the points need to consider while selecting a Portable Fire Extinguisher.
12. What are the important points to be observed for Fire Prevention ?
13. What are the notifications that need to consider while using a Revolving Machinery ?
14. Explain the several types of Safety Audits.
15. What do you understand by chemical hazards and what safety measures to be provided for such hazards ?
16. What are the use of ladder in industries for prevention and Protection ?

### SECTION - III

Answer any 2 questions. Each carries 25 marks.

2x25=50

17. Explain the term and Conditions that needs to be considered before issuing a Work Permit. Also state the authority of a Person who may issue the permit.
  18. What are the common environmental hazards produced from industrial plants and how safety policy may reduce them efficiently?
  19. State Standard Operating Procedure (SOP) for the use in mechanical equipments in manufacturing industries.
  20. List out the potential explosions in a flour industry due to ignition via. Various sources. Also describe the limitation on the condition for using dust mask in same industry
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