

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

Term-End Examination

December, 2012

MSE-008 : FIRE SAFETY

Time : 3 hours

Maximum Marks : 100

Note : *The question paper has three sections. Section-A cover 10 marks, Section-B cover 50 marks and Section-C covers 40 marks.*

SECTION-A

1. All questions carry 2 marks. Put (Y/N) against each Statement. 5x2=10
- (a) In cooling process, the fuel is removed.
 - (b) CO₂ has very high expansion ratio of 1 : 450.
 - (c) Suction valve is an isolated part of pump.
 - (d) CF₃Br is Halon group 1301.
 - (e) Carbon dioxide is a good conductor of electricity.

SECTION-B

2. Write a short notes on *any five* (Each answer carry *ten marks*) : **5x10=50**
- (a) Write about three states of combustible matter.
 - (b) Describe about smoke detectors.
 - (c) Explain about oxidizing chemicals.
 - (d) Write about DCP Extinguisher operation.
 - (e) Describe the "PASS" method of extinguishing.
 - (f) In oxidizing write about TNT.
 - (g) Give a short note on an Aromatic hydrocarbon.

SECTION-C

3. Answer *any two* of the followings. (Each carry 20 marks) : 2x20=40

- (a) What are the four extinguishing modes ?
Explain with example.
 - (b) In extinguishing method, what are those important DCPs ?
 - (c) Write the operational sequences of Soda-Acid extinguishers. Draw and name the parts.
 - (d) What are the advantages of centrifugal pump over other pump ?
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