

2/21

0501E973

Candidate's Seat No : _____

B.Sc. (F & S) Sem.-1 Examination

DSC-C-111

Fundamentals of Fire

January-2024

Time : 2-00 Hours]

[Max. Marks : 50

Question : 1

(A) Write down the post in Municipal fire services and General responsibilities of FIREMAN?

5

(B) Write down Fire department basic goals and list of responsibilities for maintenance division.?

5

OR

(A) Write down role of fuel in combustion?

5

(B) write down classification of fire ?

5

Question : 2

(A) Explain about combustion in LIQUID?

5

(B) Explain about DIFFUSION FLAME?

5

OR

(A) Explain about combustion in SOLIDS?

5

(B) Calculate the fire load of the room (10m*10m) having 2 tons coal in side ?

5

Q. No.3

(A) Explain fire resisting properties of wired glass and other timber materials?

5

(B) Explain fire resisting properties of plaster, glass and stone?

5

OR

(A) Write down fire protection of high rise buildings?

5

(B) Explain main structural elements and parts of building?

5

P.T.O

E 973 — 2

Q.No.4

- (A) Define Flash over and write down about signs of Flash over? 5
(B) Explain Ionization detector with its net sketch? 5

OR

- (A) Explain the Fire detection system? 5
(B) Define Flash over and write down about signs of Flash over? 5

Question : 5 : DO AS DIRECTED 10

- (1) Sodium is under class A fire. (True/False).
(2) What is the best extinguishing media for class B fire?
(3) What is fireload?
(4) Calorific value of Rubber is _____?
(5) Calorific value of Wood _____.
(6) Write the method of Smothering?
(7) Write the method of starving?
(8) Ventilation reduce the chances of Flash over and _____.
(9) Oil base paint is under class C fire. (True/False)
(10) Write down the names of different types of combustion.

—X—