

24702

B.Tech. 3rd Semester (Fire Tech. and Safety) F-Scheme

Examination, December-2016

FIRE ENGINEERING

Paper-FT-203-F

Time allowed : 3 hours] [Maximum marks : 100

Note : Attempt any five questions. Question No. 1 is compulsory. Attempt any one question from each section.

1. (a) Write short note on Mechanical Ventilation.
(b) Explain the classification of building based on occupancy.
(c) What do you mean by Tactical Ventilation
(d) What is NBC.
(e) Write the short note on Fire Extinguisher.
4×5=20

Section-A

2. What is the process of emergency emergency evacuation. Explain in detail. 20
3. What factors should be kept in mind to control the smoke during building design. 20

Section-B

4. What are the general requirements and guidelines for the installation of fire detection and alarm system in a building. 20

24702-P-2-Q-9(16)

[P.T.O.]

5. What do you mean by Fire Safety and what are the general requirement of fire safety. 20

Section-C

6. What are the general exit requirements as per NBC. 20
7. Explain the following :
- (a) Fire Tower
 - (b) Fire lift
 - (c) External fire escape ladder
 - (d) Ramp 4×5=20

Section-D

8. Write the short note on following :
- (a) Sprinkler system
 - (b) Total Flooding System
 - (c) CO₂ system
 - (d) Foam System. 4×5=20
9. How do you select and distribute the Fire Extinguisher for class A and class B fires. 20