

24833

**B.Tech 6th Semester (Fire Tech & Safety) F-Scheme  
Examination, May-2017**

**FIRE FIGHTING & SAFETY EQUIPMENTS**

**Paper-FT-306-F**

*Time allowed : 3 hours]*

*[Maximum marks : 100*

*Note : Attempt any five questions. Question no. 1 is compulsory and attempt one question from each of the section.*

1. (a) What is the function of a Nozzle ?  
(b) What are the main component of a Common Fire Extinguisher ?  
(c) Define the foam and their types.  
(d) What do you mean by Personnel protective equipment ?  
4×5=20

**Section-A**

2. Explain the Hose, Coupling, Branches, Branch Holder and Hose Fittings. 20
3. Write short notes on following : 6,6,8
  - (a) Monitors
  - (b) Nozzles
  - (c) Stand Pipes

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**Section-B**

4. Explain the construction detail, specification, working principle and application of a fire extinguisher. 20
5. Explain the following Extinguisher : 10,10
  - (a) Mechanical Foam Extinguisher
  - (b) CO<sub>2</sub> Dry Power Extinguisher

**Section-C**

6. Explain the following term in the context of Good Foam : 10,10
  - (a) Properties and Characteristic
  - (b) Care and Maintenance
7. Explain the Foam making machine with construction detail and working principle. 20

**Section-D**

8. Explain the face protection equipment with their types, material of construction and their reliability. 20
9. Explain the leg protection equipments with their types, material of construction and their reliability. 20