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Roll No

FT-702(A)-CBGS

B.Tech., VII Semester

Examination, December 2020

Choice Based Grading System (CBGS)

Fire Fighting Installation

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) What is Hydrant System explain in detail? 7
b) Explain the term, Water Based Fire Protection. 7
2. a) Explain different factors used to determine needed fire flow rate NFFR. 7
b) What are the four category of sprinkler system explain any one in detail. 7
3. a) Define fire load with suitable examples. 7
b) Explain the layout of sprinkler system. 7
4. a) What is the composition of Dry chemical powder used in fire fighting. 7
b) What are the methods of dry chemical application into hazards. 7
5. a) Explain types of fuel and burning depth of fuel. 7
b) What do you mean by following in terms of Size of fire. 7

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6. a) What is foam based fire protection system explain in detail. 7
b) Explain Gas Based Fire Protection in detail. 7
7. a) Explain components of carbon dioxide system in detail. 7
b) What are water storage tank equipment and accessories. 7
8. a) Explain the thermodynamic properties of carbon dioxide gas used in fire fighting. 7
b) Explain the chemical mechanism of Halon-1301. 7
