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Roll No

FT-701(A) (GS)
B.E. VII Semester Examination, June 2020
Grading System (GS)
Structure Behaviour Under Fire
Time : Three Hours

Maximum Marks : 70

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

1. What is the concept of fire severity? Explain various factors responsible for fire severity?
2. a) What are various uses of plastics in building?
b) What are advantages and disadvantages of using plastic in buildings?
3. a) Design a smoke control pressurization system for a residential building?
b) By what factors smoke movement is controlled in an enclosed space?
4. What are the principles of roof vents? Describe various types of roof vents in details.
5. What is Severity of Exposure? Also explain its classification and factors affecting severity of exposure.
6. Write functional aspects of fire planning and designing in relation to thermal & sound insulation services.
7. Write short notes on:
 - i) Stack effect
 - ii) Wind effect
 - iii) Passive fire protection

OR

Describe various considerations and requirements to be taken in mind while designing means of escape and escape routes.

8. Write down short notes on any two of the following:
 - a) Insurance
 - b) Exposure hazard
 - c) Automatic sprinklers
 - d) Compartments

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