

Total No. of Questions : 8]

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Roll No

FT-701(A)-GS
B.E. VII Semester
Examination, December 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 Principles of fire? Explain mechanism and mode of fire spread in a building?
2. a) Explain Fire hazardous properties of solids, liquid, gaseous and volatile fluids?
b) Define Time temperature grading curves.
3. What are various types of industrial building ventilations? Describe them in details.
4. Write short notes on:
 - i) Stack effect
 - ii) Wind effect
 - iii) Passive fire protection
5. Describe various considerations and requirements to be taken in mind while designing means of escape and escape routes.

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6. Describe various measures to be taken for reduction of risk of explosions.
7.
 - a) What are various uses of plastics in building?
 - b) What are advantages and disadvantages of using plastic in buildings?
8. Write down short notes on:
 - a) Thermal and sound insulation
 - b) Smoke control during building design
 - c) Principal of venting
