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**2004N319**

Candidate's Seat No : \_\_\_\_\_

**B.Sc (F&S) Semester-4 Examination  
CC**

**Fire Prevention & Protection**

**April-2024**

**Time : 2-30 Hours]**

**[Max. Marks : 70**

Instruction: Each question carries 07 marks.

Q.No1a.Writedown the fire properties of any 3 bricks, timber, glass, concrete, aluminium

Q.No1b.Write short notes on any three safety audit, plant safety inspection, work permit system, safety appraisal

OR

Q.No1a.What is active and passive fire protection system ,give 3 examples of each and . describe the role of a fire officer in large refinery.

Q.No1b. Write short notes on any 2 safety survey, safety sampling, , good house keeping

Q.No2a.To obtain approval for storage of cylinders ,what are the papers to be submitted to CCE.

Q.No2b.What arethe various measures to control fire on Fixed roof tank and floating roof tank.

OR

Q.No2(a)In how many categories Petroleum has been classified, what is flash point, fire point , to import,

Q.No2(b)describe marking on cylinders and marking on valves. and precautions in storage of cylinders.

P.T.O

Q.No3a.What are the hazards associated with fire propagation and in how many ways fire can travel ,explain convection way of heat transfer.

Q.No3b.What is compartmentation,onwhat factors compartmentation in any building is decided, Explain stability, insulation, integrity of bldg..

OR

Q.no3a.Explain segregation concept, and explain segregation method using Distance or inert material, cut off storage, detached storage

Q.No3b.Write short notes on any 4 fire damper, ventilation fire duct work, pressurization duct work, mortar, intumescent coating Mastics

Q.No4a.write down the complete list of documents required by insurer for raising a fire claim.

Q.No4b.what are the perils not covered ,properties not covered and which perils and properties can be covered by paying additional premium.

OR

Q.No4a.What is the definition of insurance and benefit of taking a fire insurance ,Give the list of perils covered in insurance .

Q.No4b.In how many categories fire loss management is formed in industries ,write down the sequence of risk control in industry.

Q.No5 MCQ.Each carries one mark.

- 1.Maximum architect fee is how much percentage of claim amount 2%, 3%, 4%, 5%,
- 2.This peril can not be covered in insurance fire explosion manuscript, missile testing
- 3.Fire loss management is divided in how many categories 2, 3, 4, 5

4. Removal of debris can be claimed up to 2%, 3%, 4% 5%
5. A brick wall should have following property integrity, insulation, stability, all three
6. In how many copies the safety permit is printed 2, 3, 4, 5,
7. Where is the office of chief controller of explosives located, Delhi, Mumbai, Nagpur, Kanpur
8. The expansion of copper strip is same as of bronze, glass, aluminium, iron
9. What is full form of P T W -----
10. In safety sampling the area is normally inspected for how many minutes 20, 30, 40, 50
11. A 225 mm thick brick wall gives how much fire resistance in hours 4hrs, 5hrs, 6 hrs, 8 hrs,
12. Foam dam height on a floating tank shall be 400mm, 500mm, 600mm, 800mm,
13. This property defines that structure will not collapse early stability, integrity, insulation, none
14. Petroleum having flash point  $23^{\circ}\text{C}$  and above but below  $65^{\circ}\text{C}$  is called classA, classB, classC, class D,

