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2304E326

Candidate's Seat No : _____

B.Sc. (Fire & S.) (NEP) Sem.-4 Examination

DSC-C-241

Fire Prevention and Protection

April-2025

Time : 2-00 Hours]

[Max. Marks : 50

Note: All questions carry 05 marks.

Q.No.1a. Give the complete list of the building materials used in a building, how do they behave in fire, discuss fire properties of steel, , bricks, RCC, glass

Q.No.1b. Describe the importance of house keeping in industry, how the house keeping can be improved.

OR

Q.No1a. Mention types of safety appraisal and explain any two appraisal in details.

Q.No.1b. Explain in details the work permit system.

Q.no2a. To obtain approval for storage of cylinders what are the documents to be submitted to Chief controller of explosives.

Q.No2b. What are the markings and labelling provided on gas cylinders.

OR

Q.no2a. Write down the definitions of foam tender, DCP tender, foam nurser, and water monitor

Q.No2b. What are the various measures to control fire on fixed roof tanks and floating roof tanks.

Q.No3a. What is compartmentation and explain stability, integrity and insulation related fire property of building.

Q.No3b. Write short notes on any 3 fire damper, duct, mortar, mastics, pressurization

OR

Q.No3a. What is passive and active fire protection system explain segregation and separation methods,

Q.No3b. In how many ways heat can travel and what are the hazards of fire propagation. Explain radiation method.

R.T.O

Q.No4(a).define insurance ,Besides fire insurance what other insurance covers are available,Give the list of perils covered in insurance.

Q.No4(b)Write down the sequence of risk control in Industry.

OR

Q.No4(a)What are the perils and expenses which can be covered by paying additional premium.

Q.4(b)List out the documents which are required to be submitted to insurance company for a fire loss claim.

Q.No5. MCQ .Each question carries one mark

1.Foam dam height on a floating roof tank shall be

400mm, 500mm, 600mm, 800mm

2.Minimum how many foam pourer should be provided on floating roof tank

1, 2, 3, 4

3.Petroleum A has flashpoint below

23*c 65*c 78*c 100*c

4.In the making of RCC we use cement , sand, steel all 3

5.For removal of Debris maximum claim can be 1%, 2%, 3%, 4%,

6.What is full form of P T W -----

7.In safety sampling the area is normally inspected for how many minutes

20min, 30min, 40min, 60min

8.Which OISD gives guide line for fire equipments in oil sector

113, 114, 115, 116,

9.Architect fee can be claimed up to 2%, 3%, 4%, 5%

10.The expansion of copper strip is same as that of

aluminium, bronze, iron, glass
