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2504E410

Candidate's Seat No : _____

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

DSC-M-244

Gujarat Factories Acts and Rules

April-2025

[Max. Marks : 25

Time : 1-00 Hour]

Note: All questions carry 05 marks.

Q.No1. Based on factories act, define the provisions of Safety of machinery by fencing and Explain Work on or near machinery in motion as per factories act.

OR

Q.No1. What the act says about Hoists and lifts and which form No. is used for this act for testing and inspection of hoists and lifts.

Q.No2. Write short notes on any 2

Protection against lightening, precaution against ignition, spontaneous ignition

OR

Q.No2. Indicate a chart showing classification of fire and suitable type of extinguishers.

Q.No3. What are the precautions to be taken for cylinders containing compressed gas and how to avoid accumulation of flammable dust, gas etc.

OR

Q.No3. Explain about the employment of young persons on dangerous machines and indicate 4 names of such machines where young persons are prohibited.

(P.T.O)

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Q.No4.What are the safety devices provided on pressure vessels,explain each in details

OR

Q.No4.What are the provisions of means of escape in case of fire and minimum diamension of man hole.

Q.No5 MCQ. Each question carries one mark

1.Which form is used for examination of lifting machines and ropes etc.

Form no. 9 form no.10. form no.11, form no. 12

2. What is the full form of DGFASLI-----.

3. To prevent accumulation of static charge the best way is

Bonding, connecting, earthing, arresting

4. The width of passage way for over head travelling crane should be atleast

30 cms, 40cms, 50cms, 60cms

5.How much maximum permissible load adult man can carry

40kg, 45 kg, 50kg, 60kg
