

Seat No. : _____

N28-126

December-2014

B.Sc. (Fire & Safety), Sem.-III
Safety in Construction Industry

Time : 3 Hours]

[Max. Marks : 70

1. (A) Explain Risk Assessment and implementation of suitable control measure of dangerous substance in construction industry. 7

OR

Write short note on Collapsed Concrete Blocks Injured Workers (case study).

- (B) Explain case study about Worker Fell Through Roof. 7

OR

List out the Equipment which are used in construction industry.

2. (A) Write a short note on Safety Precautions for Ladders. 7

OR

Type of Scaffold.

- (B) Write a short note on Eye Protection. 7

OR

Write a short note on Safely Harnesses and Belts.

3. (A) Explain need of planning for safety and health and 'safety engineering approach in design, planning and construction of new plant or new alteration or addition' are basic and most essential. 7

OR

List out General Criteria for siting selection of location of industries.

- (B) Short note on general principles of Planning of Plant Layout. 7

OR

List out safe working conditions to prevent any accident or risk.

4. (A) Explain about emergency excavation from underground. 7

OR

Explain about Underground Piping Requirements.

- (B) Short note on Damaged services. 7

OR

List out the transport of explosion material by road.

5. Short questions : 14

- (1) What is Safety ?
 - (2) What is unsafe condition ?
 - (3) What is Incident ?
 - (4) What is IS code of Ladder ?
 - (5) Full name of TBT is _____.
 - (6) Type of ladder used in construction.
 - (7) What is Fall, Slip, Trip ?
 - (8) Define Piping component.
 - (9) Define piping system.
 - (10) What is ergonomic ?
 - (11) A gap between _____ & _____ should be covered by a wire mesh in suspended scaffolds.
 - (12) What is House keeping ?
 - (13) Define Near miss.
 - (14) Full name of RPE.
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