

NI-102

December-2015

B.Sc. (fire & safety) Sem.-III

CC-204 : Safety in Construction Industry

Time : 3 Hours]

[Max. Marks : 70

1. (A) Explain in brief key elements of HSE Management System. 7

OR

While doing concreting work using boom placer write down the hazards associated with the activity and its control measures.

- (B) Explain 5s system. 7

OR

Write down the fire prevention and protection measures at construction site.

2. (A) List out the hazards and prevention measures of scaffolding erecting and dismantling work. 7

OR

What is fall protection system ? How many fall protection are used explain in brief.

- (B) What are the hazards associated while doing excavation work using excavator and how to control that hazards ? 7

OR

What is working at height ? Write down hazards and control measures for working at height.

3. (A) Give the hazards and control measures of material handling activity. 7

OR

Write down the details of hot work permit.

- (B) Write down the hazards and control measures for confined space work ? 7

OR

What are the hazards associated with crane activity and what precautions must be taken for safe work ?

4. (A) What are the importance of illumination at construction site. 7

OR

List out electrical hazards and its control measures at construction site.

(B) What are the hazards associated with radiography testing and how to control that hazards ? 7

OR

What is PPE ? Write down types of PPEs and describe in brief.

5. Short questions : 14

- (1) Give full form of PASS.
 - (2) What is Hazard ?
 - (3) Give full form of RRR.
 - (4) Define – Working at height.
 - (5) What is Tinnitus ?
 - (6) Give full form of HAV.
 - (7) Arrange step in sequence for electrical shock treatment.
 - (A) Check for breathing
 - (B) Remove person from live cable
 - (C) Call ambulance
 - (D) Do not touch
 - (E) Turn off power
 - (8) What is LTI ?
 - (9) Give full form of PTW.
 - (10) Give full form of SWL.
 - (11) Give full form of JSA.
 - (12) Trench means the depth is greater than the width of an excavation. (True/False)
 - (13) Give full form of GFCI.
 - (14) Anyone having driving experience can operate crane. (True/False)
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