

Seat No. : _____

ND-118

November-2013

B.Sc. (Fire & Safety) Sem.-III

Safety in Construction Industry

Time : 3 Hours]

[Max. Marks : 70

1. (a) List out the equipments being used in construction industries with their methods of safe use. 7

OR

Describe in details of fatal accident occurred while construction work involving scaffolding.

- (b) What is the use of Hazardous Area Zones ? Give classification of Hazardous Area Zones. 7

OR

Describe control measures to prevent tool accidents.

2. (a) List out common causes of falls at construction site. 7

OR

List out types of scaffolds and list out main hazards of scaffolds.

- (b) Give detail classification of Personal Protective Equipments. 7

OR

List out safety precautions to be taken while working at height.

3. (a) List out general criteria for selecting industry location. 7

OR

List out the factors for good plant layout.

- (b) List out Ergonomics factors to be considered for workplace design. 7

OR

What is the role of planning & criteria for plant location ?

4. (a) State the indicators of bad housekeeping. 7

OR

List out the benefits of Good House Keeping.

- (b) What is the role of Safety Officer in driving Good House Keeping effectively ? 7

OR

Prepare a Good Housekeeping Policy for a company where you are working as Safety & Fire Officer.

5. Short questions. Each question carry **one** mark. **14**

- (a) State the full form of DSEAR.
 - (b) Can we use ordinary lighting fixtures in Zone 1 area ?
 - (c) What safety precautions are to be taken while working on unprotected height ?
 - (d) State the type of falls of person.
 - (e) State the types of falling objects.
 - (f) State any two critical safety precautions for safe use of ladder.
 - (g) List out any two critical selection criteria for selecting personal protective equipments.
 - (h) Why accessibility is an important factor for plant site selection ?
 - (i) Give parameters to be considered under climate criteria for site selection.
 - (j) Who is responsible for driving Good Housekeeping effectively in any organization ?
 - (k) Give any one example where material damage is minimized as a result of good housekeeping.
 - (l) Who can sign the Good Housekeeping Policy ?
 - (m) List out any two critical construction hazards.
 - (n) Why traffic hazard is important for construction industries ?
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