

Seat No. : \_\_\_\_\_

**AD-114**

**April-2016**

**B.Sc., (Fire & Safety) Sem.-VI  
(CC :Health Safety Environment)**

**Time : 3 Hours]**

**[Max. Marks : 70**

**Instructions :** From Questions 1 to 4 attend one each from section (a) and (b) totalling 8 Questions.

1. (a) Briefly explain the four 'Cs' of positive health and safety culture. 7  
**OR**  
List key elements of health and safety system.
- (b) Explain the importance of competence, control & communication in HSE. 7  
**OR**  
Define the terms Near Miss, Hazard, Risk, Incident & Health. 7
2. (a) Briefly explain Attitude, Aptitude and Motivation. 7  
**OR**  
Explain Domino Theory of Accident Causation. 7
- (b) What do you mean by Aptitude ? Write down the classification of Aptitude. 7  
**OR**  
Briefly explain Frustration, Motivation and Morale. 7
3. (a) Name the four stages of Procedure of Audit. 7  
**OR**  
List out any five Ozone Depleting chemicals. 7
- (b) Mention 5 elements of environment with their any 2 specific category. 7  
**OR**  
List sources of gathering background information about the Audit entity. 7
4. (a) Explain the characteristics of solid waste. 7  
**OR**  
Explain the effect of Noise pollution with the help of suitable chart. 7
- (b) Describe in detail the types of pollution. 7  
**OR**  
List out the characteristics of solid waste. 7

5. Each question carries 1 mark.

14

- (1) An unplanned event that did not result in injury, illness or damage is \_\_\_\_\_.  
(a) An Accident (b) A Risk (c) An Incident (d) A near Miss
  - (2) Proactive monitoring is done \_\_\_\_\_ things go wrong.  
(a) Before (b) after (c) during (d) None of the above
  - (3) Aptitude means inclination or \_\_\_\_\_.  
(a) Fitness (b) Morale (c) Frustration (d) Attitude
  - (4) Safety is mostly concerned with control of \_\_\_\_\_.  
(a) Accident (b) Risk (c) Hazards (d) Health
  - (5) Morale is a \_\_\_\_\_ condition in which both personnel and group Features are involved.  
(a) Physical (b) Mental  
(c) Both Mental & Physical (d) Environmental
  - (6) Accidents do not just happen but caused. (True/False)
  - (7) Accident prevention is a hindrance to production. (True/False)
  - (8) Direct cost of accident is always more than indirect cost. (True/False)
  - (9) Near miss reporting is a proactive safety measure. (True/False)
  - (10) Environment audit is necessary for all chemical industries of any size. (True/False)
  - (11) Write down full form of EMS and NGO.
  - (12) Citizens have no role to play for environment control. (True/False)
  - (13) Which standard is applicable for environment as per quality management system ?
  - (14) Carbon dioxide is a toxic gas. (True/False)
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