

Safety and Risk Analytics

1. In Reason's Swiss-cheese model the holes represent
 - a. Lagging indicators
 - b. Leading Indicators
 - c. Hazard
 - d. Harm

Answer: Option a

2. The systematic, independent, and documented process for obtaining objective evidence and evaluating it objectively to determine the extent to which the pre-decided criteria are fulfilled is
 - a. Inspection
 - b. Audit
 - c. Observations
 - d. All of the above

Answer: Option b

3. The summary of perceptions that employees share about their work environment is referred to as _____
 - a. Job risk perception
 - b. Role overload
 - c. Safety climate
 - d. All of the above

Answer: Option c

4. Which of the following is true about the incident investigation process?
 - a. It is a formal systematic examination of any undesired incident
 - b. It is carried out by a team of experts
 - c. It finds out the root causes of the incident
 - d. All of the above

Answer: Option d

5. What is the last step of an incident investigation process?
 - a. Form investigation team
 - b. Conduct investigation
 - c. Prepare report and submit within a fixed time period to the HoD
 - d. Verify action implementation status

Answer: Option d

6. Management of Change comes under

- a. Organizational factors
- b. Process factors
- c. Technology factors
- d. Environment factors

Answer: Option a

7. As per entropy risk model, residual risk increases during _____ phase

- a. Corrective action
- b. Degradation
- c. Maintenance
- d. None of the above

Answer: Option b

8. Which of the following is NOT a leading indicator?

- a. No of jobsite toolbox safety meetings held
- b. No of emergency drills conducted as per schedule
- c. No of times an equipment failed in a month
- d. Number of planned inspections successfully conducted in a month

Answer: Option c

9. Time between occurrences between two incidents is an example of _____ data

- a. Nominal
- b. Ordinal
- c. Interval
- d. Ratio

Answer: Option d

10. Data collected by sensors mounted on an equipment is an example of _____ data

- a. Primary
- b. Secondary
- c. Tertiary
- d. None of the above

Answer: Option a