PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech. Winter 2022 - 23 Examination

Semester: 7   Date: 08/10/2022
Subject Code: 203106446   Time: 10:30 am to 01:00 pm
Subject Name: Industrial Safety   Total Marks: 60

Instructions:
1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 **Objective Type Questions** - (Fill in the blanks, one word answer, MCQ-not more than Five in case of MCQ) (All are compulsory) (Each of one mark)   **(15)**

1. OSHA was created to _____
   A. To reduce hazards   B. Data analysis
   C. Ecological development   D. EIA analysis
2. In the case of fatal accident, when should be a report filed for nearest OSHA office?
   A. Within 24 hours   B. Within 8 hours
   C. Within 4 hours   D. Within 48 hours
3. What is the first stage of risk assessment?
   A. Exposure assessment   B. Hazard identification
   C. Toxicity study   D. Risk characterization
4. The following is(are) physical hazard agent
   A. Falls   B. Electricity
   C. All of the above   D. Inhalation
5. A safety programme consists of
   A. Three E's   B. Two E's
   C. Six E's   D. Four E's
6. The purpose of a lock-out/tag-out procedure is to…….
7. The purpose of CPR is to……
8. OSHA restricts ladders from being higher than_____feet.
9. Industrial safety management is the branch of management which is concerned with _____ hazards from the industries.
10. Which color is used to indicate the Prohibition sign and Danger Alarm?
11. Which colour is used to indicate the Warning sign?
12. Foam is the best suited to extinguishing _____ fire.
13. Which colour is used to indicate the Emergency escape and First Aid sign?
14. Which of the following colour is used for radiation hazard?
15. Water is used to extinguish.

Q.2 Answer the following questions. (Attempt any three)   **(15)**
   A) What are the methods for preventing industrial accidents?
   B) What is Safety Committee?
   C) What is Industrial Health?
   D) What is Psychological Hazards?

Q.3 A) Explain principle and factors affecting the corrosion.   **(07)**
   B) Method for preventive maintenance of electrical equipment.   **(08)**
                                          OR
   B) Explain types of lubrication with properties.   **(08)**

Q.4 A) Describe salient points of factories act 1948 for health.   **(07)**
                                          OR
   A) Explain concept of decision tree for fault tracing.   **(07)**
   B) Discuss fault and troubleshooting of electrical motor.   **(08)**