

## HEALTH SAFETY AND RISK ASSESSMENT (DOS 1013)



## UNIVERSITY COLLEGE TATI (UC TATI)

FINAL EXAMINATION QUESTION BOOKLET	
COURSE CODE	: DOS 1013
COURSE	: HEALTH SAFETY AND RISK ASSESSMENT
SEMESTER/SESSION	: 2 – 2024/2025
DURATION	: 3 HOURS

Instructions:

1. This booklet contains **4** questions. Answer ALL questions.
2. All answers should be written in answer booklet.
3. Write legibly and draw sketches wherever required.
4. If in doubt, raise up your hands and ask the invigilator.

**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO**

**THIS BOOKLET CONTAINS 5 PRINTED PAGES INCLUDING COVER PAGE**

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**QUESTION 1**

- a) Identify one **(1)** Regulation under OSHA 1994 Act which focused on Safety Officer? (1 marks)
- b) Explain one **(1)** significant reason of Occupational Safety and Health in terms of employee welfare? (2 marks)
- c) Relates two **(2)** *discrimination* protective upon safety reporting by employee (4 marks)
- d) Describe an SOP for Transferring 1000L of Sulphuric Acid from a lorry tanker into 2 m<sup>3</sup> vessel. (10 marks)
- e) Outline two **(2)** Elimination Risk Control for wall painting (4 marks)

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**QUESTION 2**

- a) Define one **(1)** employee responsibility towards Safety and Health. (3 marks)
- b) Outline two **(2)** employer responsibilities as per stated in OSHA 1994 Act and one **(1)** example accordingly. (6 marks)
- c) Define minimum number of workers for Safety Policy regulation. (2 marks)
- d) Applies the three **(3)** employer responsibilities for Radiographic Testing. You may state the **RISK/HAZARD** to support your answer. (9 marks)
- e) List three **(3)** safety officer role. (9 marks)

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**QUESTION 3**

- a) By only wearing safety shoes and safety helmet, Jani was asked to changed lightbulb on warehouse ceiling. List two **(2)** Hazard and their risk for said job. (4 marks)
  
- b) Outline three **(3)** hazard, risk control and example of said risk control on question **(a)**. (6 marks)
  
- c) Predict the time of risk assessment and review should be carried out (4 marks)
  
- d) Outline three **(3)** hazard identifying methods for HIRARC process (3 marks)
  
- e) Carry out the risk assessment process for question **(a)** (4 marks)

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**QUESTION 4**

- a) Describe five **(5)** types of key factors in Risk Management and one **(1)** example for each (10 marks)
- b) Explain the domino effect of injuries to a company (7 marks)
- c) Produce three **(3)** steps for information deliverance among employee regarding to safety and health and their example. (6 marks)
- d) Outline three **(3)** methods of minimize the risk and their example (6 marks)

-----End of question-----

