



UNIVERSITI MALAYSIA TERENGGANU

FINAL EXAMINATION

SEMESTER I SESSION 2025/2026 (BACHELOR DEGREE)

COURSE : OCCUPATIONAL SAFETY AND HEALTH

COURSE CODE : MOM3253

DURATION : 2 HOURS

MATRIC NO. : _____

PROGRAMME : _____

SEAT NO. : _____

INSTRUCTIONS TO CANDIDATES

- i. Answer All questions in parts A and B.
- ii. All answers must be written in the answer booklet provided.

DO NOT OPEN THE QUESTION PAPER UNTIL INSTRUCTED

THIS QUESTION PAPER CONSISTS OF SIX (6) PRINTED PAGES

PART A (60 Marks)

Answer ALL questions.



Figure 1

1. Based on Figure 1:
 - a. Calculate the risk value for every hazard that are visible. Use the normal estimation of likelihood and severity. (10 marks)
 - b. Build a comprehensive HIRARC matrices for all the hazards. (10 marks)
2. Below are several types of hazards identifications methods, describe **five (5)** advantages and **five (5)** disadvantages of all those methods.
 - a. Job Hazards Analysis (JHA) (10 marks)
 - b. Failure Mode & Effect Analysis (FMEA) (10 marks)
3. Generally, hazards can be categorized into five different categories. Explain **five (5)** sample of hazards that falls under the category below:
 - a. Ergonomics (10 marks)
 - b. Psychological Hazard (10 marks)

PART B (40 Marks)

Answer ALL questions.

1. Create an Emergency Response Plan (ERP) layout for a medium size office with 12 workers at a level 5 office building. (20 marks)
2. Analyse the common hazards in a halal hub facility, based on your knowledge in occupational hazards, formulate methods to overcome **ten (10)** of those hazards. (20 marks)

End of Question Paper