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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION  
SEMESTER II  
SESSION 2022/2023**

COURSE NAME : OCCUPATIONAL SAFETY AND HEALTH

COURSE CODE : BPA 32202

PROGRAMME CODE : BPD

EXAMINATION DATE : JULY/ AUGUST 2023

DURATION : 2 HOURS

INSTRUCTION

1. ANSWER **ALL** QUESTIONS.

2. THIS FINAL EXAMINATION IS CONDUCTED VIA **CLOSED BOOK**.

3. STUDENTS ARE **PROHIBITED** TO CONSULT THEIR OWN MATERIAL OR ANY EXTERNAL RESOURCES DURING THE EXAMINATION CONDUCTED VIA CLOSED BOOK.

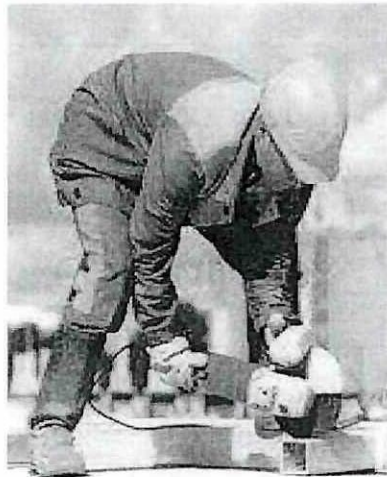
THIS QUESTION PAPER CONSISTS OF **THREE (3)** PAGES

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**TERBUKA**

- Q1** (a) Define the following terms:
- (i) Hazard (1 mark)
  - (ii) Risk assessment (1 mark)
- (b) Describe **FIVE (5)** sources of hazards with **ONE (1) example** for each. (10 marks)

**Q2** Risk of injuries can occur if an employee is expose to hazard while working as in **Figure Q2(a)**:



**Figure Q2(a): A worker carrying out grinding task at his workplace**

- (a) Determine **TWO (2)** related types of occupational hazard based on **Figure Q2(a)**. (4 marks)
- (b) Determine **TWO (2)** examples of health effects or diseases associate with the hazard based on the answer in **Q2(a)**. (4 marks)
- (c) Prepare **FOUR (4)** preventive measures to prevent the occupational hazard as mentioned in the answer in **Q2(a)**. (12 marks)
- (d) Prepare **FOUR (4)** methods of identifying the occupational hazard. (12 marks)

**TERBUKA**

**Q3** Workplace stress places significant psychological, physiological, and financial costs on both the individual and employer in an organisation.

(a) Describe **THREE (3)** work-related causes of increased stress levels among employees, other than those associated with the physical environment. (6 marks)

(b) Propose **THREE (3)** strategies that can be taken by individuals and managers to reduce workplace stress. (12 marks)

**Q4** (a) Two fishermen died after being electrocuted and falling into the sea while trying to help their fellow fisherman who was also electrocuted while they were anchored to refuel and fill up their water tank. An investigation led by the Department of Occupational Safety and Health (DOSH) officers had found out that the electrical cable (extension cord) used for the welding work was damaged (defective), causing a power leak to the fisherman's boat. It was also revealed that there is no complete procurement of SOP and HIRARC related to the activities of frame assembly work for the construction of fishing vessels.

(Source: DOSH, 2023)

Based on the above scenario,

(i) Elaborate **ONE (1)** basic cause of accidents (3 marks)

(ii) Elaborate **TWO (2)** indirect causes of accidents (6 marks)

(b) An accident involved a machine operator was reported at a furniture manufacturing factory. The victim was a newly employed worker, who was being negligent and had his fingers into the table saw. The result was a serious injury to the victim.

(i) Describe **TWO (2)** principles of accident investigation. (6 marks)

(ii) Prepare **FIVE (5)** steps in conducting an accident/ incident investigation based on the scenario in **Q4(b)**. (15 marks)

(iii) Suggest **TWO (2)** preventive action that could be implemented by management to avoid the repeated accident. (8 marks)

-END OF QUESTIONS -