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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2016/2017**

COURSE NAME : OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT
COURSE CODE : BPC 32503
PROGRAMME : BPP
EXAMINATION DATE : JUNE 2017
DURATION : 2 HOURS AND 30 MINUTES
INSTRUCTION : ANSWER ALL QUESTIONS

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

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- Q1** (a) Accidents should be prevented as they involve high direct costs and indirect costs to an organization.

Explain the **SIX (6)** principles of accidents prevention.

(12 marks)

- (b) Ahmad is working on a ladder and the ladder seems to collapse. Ahmad falls down the ladder and breaks arm. From the investigation of the accident, it shows that:

Ahmad had worked seven 12-hour shifts in a row. It happened at the end of shift. Ahmad was standing on the top step of the ladder and he was approximately 10 feet above floor level. During the incident, no fall arrest or restraint system was used. A ladder inspection policy is in place, but there was no evidence that the ladder has ever been inspected. Investigation reveals the ladder was damaged and did not provide a stable working platform in any environment. An interview with facility manager, Badrul, revealed that he did not inspect the ladder when it was due for inspection although He was aware that the ladder needed to be inspected.

Based on the above scenario;

- (i) Explain the type of accident regarding the above scenario. (4 marks)
- (ii) Analyse **FOUR (4)** root causes of accident of the above scenario. (8 marks)
- (iii) Suggest **FOUR (4)** preventive measures as to prevent the similar incident occur in the future. (8 marks)
- (iv) Illustrate investigation team in a diagram form to investigate the above accident. (8 marks)

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Q2 (a) Identifying hazard is one of the essential processes in the risk management.

(i) Define hazard. (2 marks)

(ii) Explain **FIVE (5)** sources of hazard. (10 marks)

(iii) List **TWO (2)** examples of potential sources of hazard based on the classification of hazards below:

- 1) Electrical
 - 2) Biological
 - 3) Psychological
- (6 marks)

(iv) Describe **TWO (2)** methods of identifying hazard. (4 marks)

(b) Discuss the **EIGHT (8)** steps in the accident investigation process. (16 marks)

Q3 (a) One of the basic elements of emergency response preparedness is to organise a management team. The management team may consist of incident command committee.

Prepare in diagram, an emergency management of incident command team consisting of operation, planning, logistic and administration. (12 marks)

(b) Emergency response procedures may vary according to the types of disaster. The emergency procedures flowchart is commonly used to enable an easy understanding and provide quick reference for all concerned.

Illustrate in diagram a flowchart of fire drill and evacuation procedures. (10 marks)

- END OF QUESTIONS -

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