



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2015/2016**

COURSE NAME : OCCUPATIONAL SAFETY AND HEALTH

COURSE CODE : BEE 12202

PROGRAMME : BACHELOR OF ELECTRONIC ENGINEERING WITH HONOURS

EXAMINATION DATE : DECEMBER 2015 / JANUARY 2016

DURATION : 2 HOURS

INSTRUCTION : ANSWER **ALL** QUESTIONS

THIS QUESTION PAPER CONSISTS OF **FOUR (4)** PAGES

- Q1** (a) Based on Section 15 Act 514, list the general duties of employer at the work place.
(5 marks)
- (b) There are differences between Act 514 and Act 139. Compare the differences between these acts focusing on scope, objective and approach.
(10 marks)
- (c) You are the Safety and Health Officer (SHO) for Sharp Manufacturing Corporation (M) Sdn. Bhd. One of the duties of SHO in Regulation 18 Safety and Health Officer is to assist the employer in organizing and implementing occupational safety and health programme at the work place. Your employer has planned to organise Occupational Safety and Health Day programme in your work place. As the SHO, you are asked to prepare suitable activities for the whole day in order to attract the involvement of as many employees as possible to achieve the objective to increase the employees' awareness on safety and health in the work place. Propose out all the activities.
(10 marks)

- Q2** (a) Define:
- i) Hazard
(2 marks)
 - ii) Danger
(1 mark)
 - iii) Risk
(2 marks)
- (b) Construction work is dynamic, constantly changing in nature and diversity of work activities occurring simultaneously. Construction workers are at risk of exposure to various hazards and risks that can result in injury, illness, permanent disability, or even death. List **FIVE (5)** hazards and the effects on workers in the construction work.
(10 marks)

- (c) For every hazard identified in **Q2 (b)**, find the method to overcome it.
(10 marks)
- Q3** (a) Identify **FIVE (5)** methods on how chemical hazards may enter the body.
(5 marks)
- (b) Material Safety Data Sheets (MSDS) are one of the most important tools available to employers in providing information and protection to workers from hazardous chemicals used in the workplace. Identify the information that are needed in the MSDS.
(10 marks)
- (c) Production of high-tech equipment enhances employment safety and provides comfort to the workers and also prevents the occurrence of ergonomic hazards. Besides that, the correct working methods should be addressed to avoid hazards arising from working in a wrong way, such as manual handling hazard, sight hazard, falling hazard and so on .
- i) Explain the definition of ergonomics.
(2 marks)
- ii) Describe in detail **FOUR (4)** factors that cause the occurrence of ergonomic problems in the workplace.
(8 marks)
- Q4** (a) Define:
- i) Accident
(2 marks)
- ii) Incident
(2 marks)
- iii) Near Misses
(2 marks)

(b) Industrial accident will give negative impact to the victims and their organization. The accident investigation process in the workplace will involve all levels of management in the organization, the person involved and also the witness.

i) Explain **FIVE (5)** reasons why workplace accidents should be investigated.

(5 marks)

ii) Illustrate completely the step in handling an accident investigation.

(14 marks)

- **END OF QUESTION** -