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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2018/2019**

COURSE NAME : SAFETY AND HEALTH
MANAGEMENT IN
CONSTRUCTION

COURSE CODE : BPD 33702

PROGRAMME CODE : BPC

EXAMINATION DATE : DECEMBER 2018/JANUARY 2019

DURATION : 2 HOURS

INSTRUCTION : ANSWER ALL QUESTIONS

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

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Q1 SINGAPORE: A fire has broken out at Tuas waste management plant on Thursday morning.

The location of the fire is 23 Tuas View Circuit - the premises of Eco Special Waste Management.

Singapore Civil Defence Force (SCDF) firefighters are currently at the site to put out the flames, using three water monitors and two Unmanned Firefighting Machines.

Tuas South Ave 3 and Tuas View Crescent are closed to facilitate operations.

The public is advised to avoid the area.

ECO is fully licensed by the National Environment Agency (NEA) as a Toxic Industrial Waste Collector, a General Waste Collector, and an Asbestos Removal Contractor, among other qualifications.

It provides services to industrial and commercial customers from industries such as petrochemical, pharmaceutical, oil and gas, power generation, electronics, marine, engineering, and semiconductor, with 2,000 customers, the company said on its website.

(Source: The Straits Times, 2017)

Based on the incidents above, you as a safety officer at ECO plant is required to:

- (a) Outline the process of emergency preparedness and response. (20 marks)
- (b) Analyze **NINE (9)** steps in accidents investigation (after accidents). (30 marks)

Q2 Part VI of Occupational Safety and Health Act (OSHA) 1994 underlines the request of General Duties of Employees at work.

Outline **THREE (3)** measures that you can do as safety officer can do to meet the requirement.

(24 marks)

Q3 The planning stage of a construction project identifies and articulates the client's need for a particular construction project. The requirements of the construction project are articulated in order to examine the variety of options that could address the identified need. During the planning stage, the alternative options for the project are narrowed until a best solution is agreed. The project brief, with associated provisional approvals, is usually produced in this stage.

Demonstrate **FOUR (4)** phases of safety and health at planning stage.

(26 marks)

-END OF QUESTIONS -

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