



# UTHM

Universiti Tun Hussein Onn Malaysia

## UNIVERSITI TUN HUSSEIN ONN MALAYSIA

### FINAL EXAMINATION (ONLINE) SEMESTER II SESSION 2019/2020

COURSE NAME : ENVIRONMENTAL MANAGEMENT  
COURSE CODE : BFA 40103  
PROGRAMME CODE : BFF  
EXAMINATION DATE : JULY 2020  
DURATION : 6 HOURS  
INSTRUCTION : ANSWER **FOUR (4)** QUESTIONS  
ONLY (**Q1 IS COMPULSORY**)

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

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- Q1** (a) Pagoh Educational Hub (PEH) is one of the projects which is currently under construction. As an environmental officer in a construction project, you are required to briefly write an environmental management plan for the project. Based on the Environmental Impact Assessment (EIA) principles;
- (i) Describe the existing environment. (6 marks)
  - (ii) Analyse the relevant human concerns. (9 marks)
  - (iii) Assess the significance of the impact. (10 marks)
- Q2** (a) Describe **THREE (3)** examples of human effects on the land pollution. (6 marks)
- (b) The global climate change has many adverse impacts on the biodiversity in the nature. Distinguish **THREE (3)** phenomenon's occurred as a result of global warming and the possible solution. (9 marks)
- (c) Malaysia has many advantages to be a strategic center for the green and safe energy. Review in details this statement with **TWO (2)** examples of these alternative sources of energy. (10 marks)
- Q3** (a) Waste segregation at source is the current direction of Malaysia. Explain the role of this strategy in preventing the environmental pollution. (6 marks)
- (b) Green chemistry and engineering concepts are used for achieving more advantages for the waste minimization program. Describe **THREE (3)** concepts that should be integrated in the waste minimization program. (9 marks)
- (c) The recycling of cooking oil wastes has received high attention in the last few years, the cooking oil wastes are used for biopolymers production which in role are used as a biodegradable plastic. Review **TWO (2)** examples for the positive impacts for this application. (10 marks)

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- Q4** (a) List **FIVE (5)** principles and elements of Environmental Management System (EMS) which should be followed in order to achieve EMS successfully. (5 marks)
- (b) Environmental Impact Assessment (EIA) is become one of the main requirement for any proposed project to know the negative impacts of the project on the environment. However, there are many of problems in implementing EIA, determine **FIVE (5)** of these implementations in the companies. (10 marks)
- (c) Review the effectiveness of obtaining ISO 14000 among companies in Malaysia that will contribute in minimization pollution generated from the factories. (10 marks)
- Q5** (a) Describe **TWO (2)** ways to control construction noise with **TWO (2)** examples for the protection methods used in Malaysia (6 marks)
- (b) Malaysia is rich with water resource in comparison to many of the surrounded countries. Predict the importance of the resources, and how the government manage the water resources. (9 marks)
- (c) Environmental monitoring system is divided into two subsystems. Elaborate the differences between these subsystems with **TWO (2)** examples for each. (10 marks)

**-END OF QUESTIONS-**

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