



UTHM

Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2019/2020**

COURSE NAME : ENVIRONMENTAL MANAGEMENT
COURSE CODE : BFA 40103
PROGRAMME : BFF
EXAMINATION DATE : DECEMBER 2019 / JANUARY 2020
DURATION : 3 HOURS
INSTRUCTION : ANSWER **FIVE (5)** QUESTIONS ONLY

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

- Q1** (a) Many of environmental legislation and enforcement are adopted in Malaysia. Describe **TWO (2)** examples of these regulations and discuss the objectives and output of the activities. (4 marks)
- (b) Among many of the environmental issues, the ozone layer depletion and acid rain are the most concerns. Discuss in brief how the **TWO (2)** phenomenon's occurred and their possible solution. (6 marks)
- (c) Malaysia has many alternative resources for the energy that can be replaced the traditional fuel. Discuss in details this statement with **TWO (2)** examples of these alternative sources. (10 marks)
- Q2** (a) Waste minimization program is one of the best strategy in the waste management. Describe the **FOUR (4)** main elements which should be covered by the program. (4 marks)
- (b) Environmental Management System (EMS) is a tool for managing the impacts of an organization's activities to the environment. Elaborate the components and benefits of EMS. (6 marks)
- (c) Environmental auditing is a systematic, documented, periodic and objective process in assessing an organization's activities and services. Review the types of environmental audit and elaborate your answer with a case study. (10 marks)
- Q3** (a) The transportation is consider one of the main factors which help to develop the economy and industrial activity. Discuss the health risk of air pollution and support your opinion with a case study. (6 marks)
- (b) Describe how to minimize the roadway impact especially for habitat effects. (5 marks)
- (c) Discuss the effect of road and traffic to the ecosystems and human health. (9 marks)

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- Q4** (a) Urban heat island had received great attention in the last few years. Explain how the urban heat island phenomenon occurs
(4 marks)
- (b) The urban environment management system (UEMS) has an effective role in the urbanization, Explain to which level UEMS can contribute to urbanization.
(6 marks)
- (c) The strategy and integrated environmental management represent an important step in a series of initiatives that have contributed to the development on the urban environment. Discuss the strategy required for the sustainable urban development.
(10 marks)
- Q5** (a) Explain the principles of environmental management such as storm water drainage system.
(4 marks)
- (b) Evaluate **THREE (3)** methods for noise construction management in Malaysia.
(7 marks)
- (c) Malaysia is one of the world's 12-mega biodiversity countries due to the high abundance of rainforest. Therefore, the conservation of these forests is vital. Discuss the role of deforestation in air pollution.
(9 marks)
- Q6** (a) Forest city is a big project currently under construction in Johor Baharu. As an environmental officer in the construction project, briefly write a baseline study report as compared to a monitoring month.
(10 marks)
- (b) The highway road between Parit Raja and Kluang, Johor is going to be developed in coming years. Propose the potential impacts to environment during the development, as well as the mitigation measures for each of the following issue;
- (i) Earthwork activities will be prone to erosion when surface runoff drain eroded material to the nearest waterways.
(5 marks)
- (ii) The proposed project will increase the surface runoff.
(5 marks)

END OF QUESTIONS**TERBUKA**