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**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

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

COURSE NAME : ENVIRONMENTAL MANAGEMENT  
COURSE CODE : BFA 40103  
PROGRAMME CODE : BFF  
EXAMINATION DATE : DECEMBER 2018 / JANUARY 2019  
DURATION : 3 HOURS  
INSTRUCTION : ANSWER ALL QUESTIONS

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

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- Q1** (a) State **FOUR (4)** ways to reduce the water consumption in educational premises. (4 marks)
- (b) Explain **THREE (3)** waste reduction techniques in waste management system. (6 marks)
- (c) With an example, explain in detailed **FIVE (5)** advantages of using environmental management system for a project engineer in a construction project. (10 marks)
- Q2** (a) State **FOUR (4)** objectives of an environmental audit. (4 marks)
- (b) Illustrate and label wastes management hierarchy in waste management system. (6 marks)
- (c) Explain **THREE (3)** sources of construction wastewater and proposed disposal management of construction wastewater. (10 marks)
- Q3** (a) State **THREE (3)** effects of transportation to air and water. (6 marks)
- (b) One aspect in environmental management is environmental education. Briefly explain relationship between environmental education and sustainable school. (5 marks)
- (c) Discuss briefly definition and the importance of the term listed below:
- i) Wetland Conservation (3 marks)
  - ii) Biodiversity (3 marks)
  - iii) Sensitive Protected Area (3 marks)

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- Q4** (a) State **FOUR (4)** roles of NGOs in protection of rainforest. (4 marks)
- (b) List **THREE (3)** potential waste energy recovery practices that benefit the future of Malaysia. (6 marks)
- (c) Discuss in detailed the implementation of ISO14000 at any construction activity. (10 marks)
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- Q5** (a) Explain the importance of public participant in Environmental Impact Assessment (EIA). (3 marks)
- (b) As a project engineer at a construction site, suggest **FOUR (4)** ways to decrease carbon foot print from your site. (8 marks)
- (c) A mixed development to be constructed in 10 hectares land located in hilly area. With example, propose **THREE (3)** important parameters to predict the impacts on surface-water environment. (9 marks)

- END OF QUESTIONS -

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