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Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

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

COURSE NAME : ENVIRONMENTAL TECHNOLOGY
COURSE CODE : BPF 42003
PROGRAMME CODE : BPC
EXAMINATION DATE : DECEMBER 2019 / JANUARY 2020
DURATION : 3 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

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

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TERBUKA

- Q1** (a) There are a number of strategies that can be implemented to control pollution, however the best strategy is to avoid the pollution.
- Discuss **FIVE (5)** strategies to control the air pollution in Malaysia. (15 marks)
- (b) Air pollution is one of the pollution that can give negative impact for health.
- Explain **FIVE (5)** impacts of air pollution. (10 marks)
- Q2** (a) Solid waste is the largest amount of waste produced in the country and it must be managed with an efficient management system to ensure it reaches a landfill within a set time frame.
- Discuss **FIVE (5)** essential elements of solid waste management from its source of production until disposal at the landfill. (10 marks)
- (b) There are two collection systems in solid waste management which are Hauled Container System (HCS) and Stationary Container System (SCS).
- Differentiate these systems in terms of their functions, transportations and the workers in the system. (15 marks)
- Q3** (a) Waste can be classified as hazardous waste if it has four characteristics including flammable, erosive, re-active and toxicity.
- Elaborate the hazardous waste characteristic with example. (15 marks)
- (b) There are several factors that contribute to hazardous waste management facilities. The factors are socio economic, public health, transportation and other 'ology' factor.
- Analyze the 'ology' factor to describe the hazardous waste facilities. (10 marks)

Q4 The Department of the Environment (DOE) is a major party involved in managing waste. It runs various campaigns to reduce waste generation in Malaysia.

Propose **FIVE (5)** improvement steps that the industry can implement to help DOE succeed in the campaign.

(25 marks)

- END OF QUESTIONS -