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Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

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

COURSE NAME : NATURE CONSERVATION
COURSE CODE : BFC10202
PROGRAMME CODE : BFF
EXAMINATION DATE : JUNE / JULY 2019
DURATION : 2 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

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

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- Q1** (a) Predict **THREE (3)** effects of unsustainable plantation development. (3 marks)
- (b) Explain **FOUR (4)** issues in biodiversity. (8 marks)
- (c) Evaluate **THREE (3)** similarities between natural and man-made environment with example. (9 marks)
- Q2** (a) Explain the occurrence of acid rain and give **TWO (2)** impacts of acid rain on the environment. (4 marks)
- (b) Discuss briefly **TWO (2)** sources of soil contamination, their effect towards environment and give solution to avoid this problem. (6 marks)
- (c) Discuss the effects and propose solutions of the given environmental problems:
- (i) Food stall discharging effluent into the river.
- (ii) Open dump of solid waste by the village's houses. (10 marks)
- Q3** (a) Explain **THREE (3)** natural resources for energy recovery with examples. (6 marks)
- (b) Propose **ONE (1)** schematic diagram with a brief explanation of combination energy recovery and rainwater harvesting system to achieve a sustainable building. (6 marks)
- (c) Discuss **TWO (2)** recycling activities that can be implemented in a society from following wastes:
- (i) Used tyres
- (ii) Plastic bottles
- (iii) Used textiles
- (iv) Biodegradable waste (8 marks)

- Q4** (a) Discuss briefly the concept of conservation for nature. (4 marks)
- (b) Relate the role of Ramsar site in wetland conservation. List out **THREE (3)** Ramsar sites in Malaysia. (6 marks)
- (c) Malaysia is well-endowed with natural mangrove ecosystem. Discuss briefly:
- (i) The economic benefits of mangrove. (4 marks)
- (ii) **THREE (3)** threats facing by the Malaysian mangrove and suggest conservation methods to overcome each of the threats. (6 marks)
- Q5** (a) Explain any **ONE (1)** of the issues below:
- (i) Nature conservation and political issue.
- (ii) Nature conservation and economic issue. (4 marks)
- (b) Differentiate teaching method in environmental education and other technical subject in civil engineering. (6 marks)
- (c) Criticize the statement “mankind is a khalifah in the world”. The discussion should be based on aspect of nature conservation. (10 marks)

-END OF QUESTIONS -