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**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
SEMESTER I  
SESSION 2015/2016**

**COURSE NAME : NATURE CONSERVATION**  
**COURSE CODE : BNA 30102**  
**PROGRAMME : 3 BNA**  
**EXAMINATION DATE : DECEMBER 2015/JANUARY 2016**  
**DURATION : 2 HOURS**  
**INSTRUCTION : ANSWER ALL QUESTIONS**

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

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- Q1**
- (a) Describe the link between built and natural environment. (2 marks)
  - (b) For each of below interaction, provide **TWO (2)** examples and discuss on the effects of interaction between species in biodiversity.
    - (i) mutualism
    - (ii) parasitism(7 marks)
  - (c) Extracting, processing and using of fossil fuels will bring negative effect to environment. Explain the effect of the following processes.
    - (i) Collection
    - (ii) Processing
    - (iii) Use(6 marks)
  - (d) Classify biodiversity into **FIVE (5)** values and give an example for each value. (10 marks)
- Q2**
- (a) Define the term “Biodiversity”. (2 marks)
  - (b) Examine **THREE (3)** critical issues to be addressed in formulating biodiversity conservation management plan and give **ONE (1)** example each. (9 marks)
  - (c) Analyze **THREE (3)** drivers of biodiversity loss and endangerment in Southeast Asia. (9 marks)
  - (d) ‘Quality of life’ should not be confused with the concept of ‘standard of living’. Evaluate these terms. (5 marks)

- Q3**
- (a) Malaysian Government has taken continuous effort in the development of renewable energy (RE) through various support and promotion programmes. Name **TWO (2)** of it.  
(2 marks)
  - (b) Analyze on availability and potential of the renewable energies (RE) in Malaysia by giving **TWO (2)** examples of RE.  
(10 marks)
  - (c) Differentiate between *in-situ* and *ex-situ* conservation method. Give **ONE (1)** example for each method.  
(5 marks)
  - (d) The three guiding principles for conservation are: changes are evolutionary, ecology is dynamics and presence of mankind. Explain any **TWO (2)** of these principles and give **ONE (1)** example for each.  
(8 marks)
- Q4**
- (a) In terms of physical damage, discuss on how could you minimize damage due to landslides.  
(3 Marks)
  - (b) Environmental education aims is to promote learning to the people from infancy to elder in order to foster understanding and recognition of the relationship between human beings and the environment. Summarize **FOUR (4)** efforts that have been practiced in developed country that need to be implemented in our country to ensure the successfulness of this program.  
(8 marks)
  - (c) Discuss **TWO (2)** practices with the theme of “Waste is Wealth” as a part of environmental education to people.  
(6 marks)
  - (d) There are four principles (4R) in managing a natural disaster: reduction of risk, readiness, response and recovery. Assuming you are to manage a tsunami explain briefly how you would carry out each of these principles.  
(8 marks)

**-END OF QUESTIONS-**