Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER I
SESSION 2019/2020

COURSE NAME	:	ENVIRONMENT AND CONSERVATION
COURSE CODE	:	BNA 31302
PROGRAMME	:	3 BNA
EXAMINATION DATE	:	DECEMBER 2019/JANUARY 2020
DURATION	:	2 HOURS
INSTRUCTION	:	ANSWER **ALL** QUESTIONS

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

Q1 (a) Describe the link between built and natural environment.

(3 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

(6 marks)

(c) Extracting, processing and using of fossil fuels will bring negative effect to environment. Analyze the effect of the following processes.

(i) Collection
(ii) Processing
(iii) Use

(6 marks)

(d) Propose on any **TWO (2)** sustainable technology to reduce heat in building that have been implemented in Malaysia.

(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) 'Quality of life' should not be confused with the concept of 'standard of living'. Evaluate it.

(5 marks)

(d) Analyze **THREE (3)** drivers of biodiversity loss and endangerment in Southeast Asia. Then, suggest the mitigation plan on how to avoid or reduce it.

(9 marks)

Q3 (a) Differentiate between exotic species and endermic species by giving **ONE (1)** example for each.

(5 marks)

(b) Differentiate between *in-situ* and *ex-situ* conservation. Give **ONE (1)** example for each of these methods for conservation.

(5 marks)

(c) Analyze on availability and potential of the renewable energies (RE) in Malaysia by giving **TWO (2)** examples of RE.

(8 marks)

(d) By giving **ONE (1)** example, assess **THREE (3)** challenges of waste to wealth program from being succesfully implimented in Malaysia.

(7 marks)

Q4 On 7th March 2019, an incident of illegal dumping of scheduled was reported happen to one of Malaysia river. As much as 40 tonnes of scheduled waste were expected to be dumped into parts of the river and affected more than 5 km of the river.

(i) State **FOUR (4)** emergency response services in Malaysia and their funtion that may include in this case.

(4 marks)

(ii) Analyze possible domino accidents that might be involved in this case.

(3 marks)

(iii) Implementation of emergency response is critically important to prevent or at least to minimize the domino accident scenario before it becomes worst. Propose the main steps used to carry out the emergency rescue process.

(18 marks)