

CONFIDENTIAL



UTHM

Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
(ONLINE)
SEMESTER II
SESSION 2020/2021**

COURSE NAME : NATURE CONSERVATION
COURSE CODE : BFC10202
PROGRAMME CODE : BFF
EXAMINATION DATE : JULY 2021
DURATION : 2 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

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

CONFIDENTIAL

TERBUKA

- Q1** (a) Define endemism and give one example of endemism animal in tundra. (1mark)
- (b) Describe how each physical component of earth is important in ensuring the balance of ecosystem. (6 marks)

- (b) Seventeen (17) sustainable goal development (SDGs) was adopted by United Nation as a blue print for peace and prosperity for people of the planet, now and into the future. The list of SDGs as followed:

1. No Poverty
2. Zero Hunger
3. Good Health and Well-being
4. Quality Education
5. Gender Equality
6. Clean Water and Sanitation
7. Affordable and Clean Energy
8. Decent Work and Economic Growth
9. Industry, Innovation and Infrastructure
10. Reducing Inequality
11. Sustainable Cities and Communities
12. Responsible Consumption and Production
13. Climate Action
14. Life Below Water
15. Life On Land
16. Peace, Justice, and Strong Institutions
17. Partnerships for the Goals.

As a civil engineer, you will be involve in construction industry. Constructing a sustainable construction work is a must to ensure balance between development and environment. Elaborate on **THREE (3)** efforts that can be done by construction industry that contribute to sustainability. Then, relate each of the effort by mapping to any of the SDGs and provide reason for the selection.

(18 marks)

- Q2** (a) What is the reason of saltwater intrusion in river delta? (1 mark)
- (b) Overpopulation leads to resource degradation, resource depletion, pollution and loss of biodiversity. Based on your opinion, in next 50 years which of the over population problems will be major and give your reason. Then, explain **THREE (3)** possible solution that need to be carried out to ensure this problem will be minimized and can be controlled from worsening in next 50 years. (12 marks)

- (c) Traveling affects the environment. Discuss this issue by explaining how travelling affects environment and what are the possible environmental problems associated with travelling and how to overcome this problem. (12 marks)
- Q3**
- (a) How industrial activities create environmental problem? (2 marks)
- (b) Explain the heterogeneity difference between highland and lowland. (3 marks)
- (c) Elaborate the roles of human existence as cause of the problem and part of solution in a conservation work. Give an example for each. (10 marks)
- (d) One of the way to live-green is by incorporating renewable energy. Identify **TWO (2)** renewable energy that can be integrated at University Tun Hussein Onn Malaysia (UTHM) and elaborate the suitability each of the suggested renewable energy in UTHM environment. (10 marks)
- Q4**
- (a) What are the functions of The National Forest Policy 1978? (1 mark)
- (b) How private sector able to contribute in conservation work. (2 marks)
- (c) Due to lockdown of Covid-19 pandemic, face to face environmental awareness activity is not possible. To adapt to the new norm, you need to suggest an environmental awareness activity related to any environmental issue that follows the MCO standard of procedure stated by Malaysian government. You need to elaborate the environmental awareness activity by including objectives, teaching methodology or technique and target participant. (10 marks)
- (d) Explain **THREE (3)** political issues of conservation work for marine ecosystem and give suggestion to overcome these challenges. (12 marks)

-END OF QUESTIONS-