



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2016/2017**

COURSE NAME : MARINE ECOSYSTEM
MANAGEMENT
COURSE CODE : BWJ 31203
PROGRAMME CODE : BWW
EXAMINATION DATE : JUNE 2017
DURATION : 3 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

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

- Q1** (a) Differentiate between littoral zone and intertidal zone. (5 marks)
- (b) List **FIVE (5)** habitats that are located in the littoral zone. (5 marks)
- (c) Elaborate the importance of intertidal zone as a marine ecosystem. (10 marks)
- Q2** Coastal zone is a strip of land extending a distance inland from the coastline/shoreline, which houses many important marine habitats.
- (a) Describe the coverage of the coastal zone according to the Economic Planning Unit Malaysia 1992. (3 marks)
- (b) Explain the effects of coastalization on the coastal, estuarine, and marine biodiversity. (5 marks)
- (c) Elaborate how policy and management practice can be integrated to ensure that these effects in **Q2(b)** are mitigated. (12 marks)
- Q3** Stability of a population is a major factor in ensuring the existence of species.
- (a) Define population stability. (2 marks)
- (b) Describe the components of stable populations. (6 marks)
- (c) Explain how marine organisms maintained stable population and how human activities disturb this stability. (12 marks)
- Q4** Marine Ecosystem-Based Management (MEBM) is a management strategy that is expected to be more sustainable than traditional approaches.
- (a) Describe the evolution of MEBM (5 marks)
- (b) Illustrate **TWO (2)** key principles to the success of MEBM (15 marks)

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- Q5** (a) Describe **TWO (2)** ways marine ecosystems can be managed sustainably at national and global scale (10 marks)
- (b) Outline **TWO (2)** problems of managing marine ecosystems at national and global scale (10 marks)

- END OF QUESTIONS -

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