



**RAJARATA UNIVERSITY OF SRI LANKA  
FACULTY OF APPLIED SCIENCES**

**B.Sc. (Special) Degree in Applied Biology  
Fourth year – Semester I Examination – January/ February 2021**

**BDC 4207 – COASTAL AND MARINE BIODIVERSITY CONSERVATION**

**Time: Two (2) hours**

**Answer ALL questions.**

1. Coast Conservation (Amendment) Act, No. 49 of 2011 provides legal provisions for the formulation and implementation the concept of Special Coastal Management Areas (SCMA).
  - a) Describe the concept of Special Coastal Management Area (SCMA). **(20 marks)**
  - b) Provide the criteria that need to be considered when ranking a potential SCMA. **(20 marks)**
  - c) Explain why we should strengthen SCMA concept in Sri Lanka. **(60 marks)**
  
2. Discuss the current status of marine mammals of Sri Lanka providing suitable examples. **(100 marks)**
  
3. a) Explain briefly the major coral reefs types in the world. **(40 marks)**
  - b) Describe the threats to coral reefs and propose management strategies to mitigate them. **(60 marks)**
  
4. Write short notes on the following
  - a) A brief introduction to Tsunami. **(30 marks)**
  - b) Use of remote sensing methods in coast conservation. **(40 marks)**
  - c) Morphological and physiological adaptations of Seagrasses. **(30 marks)**

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