



**TECHNICAL UNIVERSITY OF MOMBASA**  
**FACULTY OF APPLIED AND HEALTH SCIENCES**  
**DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES**  
**UNIVERSITY EXAMINATION FOR:**  
**BACHELOR OF SCIENCE IN MARINE RESOURCE MANAGEMENT**  
**BSMR/13S/YEAR 4/ SEMESTER 1**  
**AES 4407: MARINE SPECIES OF SPECIAL CONCERN**

**SPECIAL/ SUPPLEMENTARY EXAMINATIONS**  
**SERIES: SEPTEMBER 2018**  
**TIME: 2 HOURS**

***Instructions to Candidates***

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions.

***This paper consists of two printed pages.***

***Mobile phones are NOT allowed in the examination room***

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**QUESTION ONE. (30 MARKS)**

- a). i). Explain the difference between *Serial sites* and **Transboundary sites** as described in the World Heritage Listing (4 marks)
- ii) List four national legislations in Kenya relevant to marine life conservation (2 marks)
- b). What were the challenges with the coral reefs of Kuruwitu in the north coast of Kenya, before restoration efforts that led to establishment of a community marine protected area. (6 marks)
- c). Describe the term Outstanding Universal Value (OUV) in the World Heritage Convention (6 marks)
- d). Mention five current major threats faced by marine mammals in the western Indian Ocean (6 marks)
- e). i). What is a Ramsar site (2 marks)
- ii). Describe the economic significance of the Tana Delta (4 marks)

**QUESTION TWO (20 MARKS)**

Discuss how the Forest Act is relevant for conservation of marine life protection in Kenya.

**QUESTION THREE (20 MARKS)**

Discuss efforts by the Kenya Wildlife Service in management of marine resources in Marine Protected Areas.

**QUESTION FOUR (20 MARKS)**

Discuss any four international conventions that are relevant to ocean and marine life protection in Kenya.

**QUESTION FIVE (20 MARKS)**

Discuss a biodiversity hotspot, its significance and threats and any efforts in place for restoration.