

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 17S/YEAR 1/ SEMESTER 1 AES 4102: INTRODUCTION TO MARINE RESOURCES

SPECIAL/ SUPPLIMENTARY 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*

QUESTION ONE (30 MARKS)

i.	List any 5 characteristics associated with the global fisheries resources	(5 marks)	
ii.	Briefly explain with relevant examples where applicable the exploitation of deep sea fisheries resources in terms of:		
	a) Advantages (3 marks)		
	b) Disadvantages (2 marks)		
iii.	State any 5 types of senses used for survival in marine mammals	(5 marks)	
iv.	Briefly explain the impact of beach seines and monofilament nets to fisheries resources and the		
	environment	(5 marks)	
v.	State 5 impacts associated with over-exploitation of fisheries resources	(5 marks)	
vi.	List any 5 impacts of mangrove over-harvesting	(5 marks)	

QUESTION TWO (20 MARKS)

The integrity of the coastal and marine environment is directly threatened by anthropogenic impacts. Discuss the impacts of the following anthropogenic activities:

a)	Discharge of sewage and garbage	(15 marks)
b)	Discharge of chemicals	(5 marks)

QUESTION THREE (20 MARKS)

Discuss any characteristics associated with the tropical artisanal fisheries	(20 marks)
QUESTION FOUR (20 MARKS)	
Explain any factors that affect the distribution and abundance of marine mammals	(20 marks)

QUESTION FIVE (20 MARKS)

Discuss the major stressors to coral reefs and their sources	(20 marks)
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