

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY

SCHOOL OF BIOLOGICAL, PHYSICAL, MATHEMATICS AND ACTURIAL SCIENCES

UNIVERSITY EXAMINATIONS FOR THE AWARD OF A DEGREE OF MASTER OF SCIENCE IN PLANT ECOLOGY

1ST YEAR 1ND SEMESTER 2023/2024 ACADEMIC YEAR

MAIN CAMPUS - REGULAR

COURSE CODE:	SBT 818
COURSE TITLE:	MARINE LITTORAL COMMUNITIES
EXAM VENUE:	STREAM: (MSC)
DATE:	EXAM SESSION:
TIME: 2 HOURS	

Instructions:

- 1. Answer ALL questions in Section A and Any two questions in Section B
- 2. Candidates are advised not to write on question paper
- **3.** Candidates must hand in their answer booklets to the invigilator while in the examination room

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

1.	(a) List five examples of marine littoral ecosystems.	(5 marks)
	(b) Elucidate the factors that influence growth and distribution of littoral commun	nities? (10 marks)
	(c) Discuss the adaptations of plants and animals living in mangrove ecosystems.	(15 marks)
SECTION B: ANSWER ANY TWO QUESTIONS (30 MARKS)		
2.	Describe the adaptations of organisms (plants and animals) in estuarine communi	ty. (15 marks)
3.	Explain how angiosperms are adapted to the marine environment.	(15 marks)
4.	(a) Outline the factors that determine mineral cycling in marine littoral communit	ties (3 marks)
	(b) Describe Nitrogen cycling in the marine littoral communities and ecosystems	(12 marks)

5. Discuss anthropogenic factors that lead to pollution and eutrophication of marine littoral communities. (15 marks)