



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR
SECOND YEAR SECOND SEMESTER**

**SCHOOL OF TOURISM AND NATURAL
RESOURCE MANAGEMENT
BACHELOR OF SCIENCE IN WILDLIFE
MANAGEMENT**

COURSE CODE: WRM 2203

**COURSE TITLE: MARINE ECOLOGY AND
OCEANOGRAPHY**

DATE: 23RD APRIL 2019

TIME: 1100 - 1300 HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section **A** and any other **THREE** in section **B**.

This paper consists of 2 printed pages. Please turn over.

SECTION A: ANSWER ALL QUESTIONS (25 Marks)

1. Briefly discuss the ecological importance of mangroves (5Marks)
2. Briefly explain the behavioral characteristics of estuarine environment (5 Marks)
3. Give the physical and chemical properties of sea water (5 Marks)
4. Briefly discuss the Monsoon wind and how it affects the coastal climate (5Marks)
5. Using illustrations and examples, explain briefly the difference between stilt/prop roots and pneumatophores (5Marks)

SECTION B: ANSWER THREE QUESTIONS ONLY (45 Marks)

6. Discuss the zonation pattern of mangrove forest according to MCNaë 1968 (15 Marks)
7. Discuss the challenges and adaptations of organisms on rocky shores (15 Marks)
8. Discuss factors affecting the distribution and growth of corals (15 Marks)
9. Using illustrations, discuss the zones of the ocean (15 Marks)

//END