



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR
FOURTH YEAR SECOND SEMESTER**

**SCHOOL OF NATURAL RESOURCES,
ENVIRONMENTAL STUDIES AND
AGRICULTURE**

BACHELOR OF ARTS IN GEOGRAPHY

**COURSE CODE: GEO 4268-1
COURSE TITLE: OCEANOGRAPHY**

DATE: 16/4/2024

TIME: 1100-1300 HRS

INSTRUCTIONS TO CANDIDATE

Answer Question one and any other three Questions

QUESTION ONE (20 mks)

- i) Analuse the following with respect to the ocean structure
- a) Guyot (1 mk)
 - b) Continental shelf (1 mk)
 - c) Abyssal plane (1 mk)
 - d) Continental rise (1 mk)
 - e) Seamounts (1 mk)
- ii) Explain the relief features of submarine Canyons and their classifications (5 mks)
- iii) Describe how the speed of the bottom current determines the composition of the sea floor (3 mks)
- iv) Descibe neritic zone and state why it is an important oceanic zone (2 mks)
- v) Explain chemical composition of sea water (3 mks)
- vi) Briefly describe the how illumination affects life in an oceanic environment (3 mks)

QUESTION TWO (10 mks)

Discuss the patterns of the surface currents in the Atlantic Ocean

QUESTION THREE (10 mks)

Oceanic/Marine sediments are classified into two main groups. Compare and contrast

QUESTION FOUR (10 mks)

Discuss the plate tectonic theory in relation to oceanography

QUESTION FIVE (10 mks)

Explain the roles and functions of oceanography

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