

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2012/2013 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: MET 513 (3 units)

COURSE TITLE: Marine Climatology

INSTRUCTIONS: Answer any **FOUR** questions of your choice. Credit will be given for the use of specific examples and appropriate diagrams.

TIME: 3 Hours

1. What are turbidity currents and what effect do we suspect them to have on the shelves and ocean floor.
2. Why is upwelling a major factor in producing rich fishing ground?
3. What effect might the tidal energy and wave energy have on an island over an extended period of time? Will these actions be persistent and consistent?
4. What is the primary force producing wave across the open sea? What other factors produce waves?
5. Enumerate and discuss the different classes of sea sediments.
6. Discuss the difference between the surface and bottom water of the sea.