

DEPARTMENT OF GEOGRAPHY
FEDERAL UNIVERSITY OF TECHNOLOGY MINNA
FIRST SEMESTER EXAMINATION 2011/2012 SESSION.

COURSE CODE: MET 513

COURSE TITLE: MARINE CLIMATOLOGY

INSTRUCTION: ANSWER ANY FOUR QUESTIONS, CREDIT WILL BE GIVEN FOR USE OF SPECIFIC EXAMPLES.

TIME ALLOWED: 2½ Hours

1. (a) What are the causes of upwelling (5mks)
(b) Discuss the importance of upwelling in the fishing industry? 10mks
2. Discuss the composition and properties of sea water. (15mks)
3. The sea has been described as a dynamic machine, expatiate. (15mks)
4. Using specific examples enumerate and discuss the different classes of sea sediment. (15mks)
5. Identify and discuss the major difference between the Ekman and wave action. (15mks)
6. a) What is the primary force producing waves across the open sea? 10mks
b) What other factors produce wave. 5mks