KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2014/2015

DIGITAL SCHOOL OF VIRTUAL AND OPEN LEARNING

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS

AGE 316: OCEANOGRAPHY I

DATE: Saturday 2nd May 2015 **TIME: 8.00a.m -10.00a.m**

INSTRUCTIONS

Answer question 1 and any other TWO questions. Use illustrations where appropriate.

1. a) Explain the scope of Oceanography. [8marks]
   b) Examine any five branches of Oceanography. [10marks]
   c) Assess the human interest in oceans since antiquity. [12marks]

2. a) Examine the role of the ocean in the global hydrological cycle. [10marks]
   b) Explain the effects of different aspects of the ocean energy budget. [10marks]

3. Describe and account for the spatial and temporal variation of any two physical properties of sea water. [20marks]

4. a) With examples, explain the role and vertical variation of any two dissolved gases in sea water. [12marks]
   b) Compare and account for the variation of gases between atmosphere and the ocean. [8marks]

5. a) Examine the major nutrients and their sources in ocean water. [12marks]
   b) Explain the anoxis scenario and its effects in the ocean. [8marks]

*INVOLVEMENT IN ANY **EXAMINATION IRREGULARITY SHALL LEAD TO DISCONTINUATION***