



**CRAWFORD UNIVERSITY, IGBESA,
FAITH CITY, IGBESA, OGUN STATE**

**COLLEGE OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF GEOLOGY AND MINERAL SCIENCES**

2010/2011 RAIN SEMESTER EXAMINATIONS

COURSE TITLE: QUATERNARY GEOLOGY COURSE CODE: GEM 306

TIME ALLOWED: 2HRS

INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER 3

1. a. Describe the Quaternary period with emphasis on its classification.
b. List 2 effects of ice age on:
(i) Plants and animals.
(ii) Lakes and Rivers.
c. Differentiate between glacial and interglacial periods with known examples
d. List other geological events that took place in the Quaternary.
2. Write notes on the following:
a. Marine Transgression.
b. Earliest uses of rocks and minerals.
c. Younger Dryas
d. Eemian Interglacial.
3. There have been shifts in the frequency of climate oscillation and amplitude of temperature and glaciations through Quaternary. Discuss the factors that brings about this variations.
4. a. Evidence of climatic change has been revealed through oxygen isotope analysis of marine fossils. Discuss.
b. Give examples of the various oxygen isotope stages you know and the Quaternary periods they represent.
5. a. Write short notes on Quaternary Sediments.
b. Describe the economic importance of Quaternary mineral deposits.
c. Write all you know about Quaternary Geology of Africa.

