



**CRAWFORD UNIVERSITY, IGBESA,
COLLEGE OF NATURAL AND APPLIED SCIENCES
GEOLOGY AND MINERAL SCIENCES PROGRAMME
2021/2022 RAIN SEMESTER EXAMINATIONS**

COURSE TITLE: ENVIRONMENTAL GEOLOGY COURSE CODE: GEM 308

TIME ALLOWED: 2Hours:30Minutes

INSTRUCTION: ANSWER ANY THREE QUESTIONS

1. In your understanding, explain the effects of exponential growth on the environmental status of any system.
 - (a) What possible solution would you suggest to these effects?
 - (b) If the annual growth rate of Nigeria with a population of 190 million people is 1.5%, in how many years' time will the population double?
2. The environmental degradation that we have imposed on the earth is making its survival to be in danger, what must we do to attain sustainability of our environment? Support your answer with reasons.
3. Flood plain, Surge flood, Storm surge, Pluvial and Fluvial are all terminologies used to describe the types of flood in Environmental geology, briefly describe all.
4. Explain the causes of volcanic eruption
 - (a) Highlight the positive and negative effects of volcanic eruption to our environment
 - (b) What are the features of a volcano?
5.
 - (a) What are mineral resources and how are they distinguished from reserves?
 - (b) In what ways do human activities such as mining and urbanization contribute to environmental degradation?