



**CRAWFORD UNIVERSITY**  
**FAITH CITY, IGBESA, OGUN STATE**  
**DEPARTMENT OF GEOLOGY & MINERAL SCIENCES**  
**FIRST SEMESTER EXAMINATIONS (B.Sc. DEGREE), 2022/2023**

**COURSE: GEM 213 – PHYSICAL GEOLOGY**  
**TIME ALLOWED: 2HRS**

**INSTRUCTION: ANSWER ANY FOUR QUESTIONS**

1. With a well annotated diagram, explain the internal structure of the Earth and ensure that you highlight the compositional layering
  
- 2 (a). What is the main force responsible for mass movements? Support your answer with reasons.  
(b) Although water is not always directly involved as the transporting medium in mass movement processes, it does play an important role, explain.
  
- 3 (a). What do you understand by the term 'mineral'?  
(b) Give reasons why glass, liquid water, and crude oil are not regarded as a mineral  
(c) What differentiates a mineral from a mineralloid?
  
- 4 (a). How do streams evolve?  
(b) Give a brief description of the following: (i) ephemeral stream, (ii) stream capacity and competence, (iii) stream discharge, (iv) suspended load, (v) bed load
  
5. Explain the variety of processes through which physical weathering occur.

BEST OF LUCK.