



OLABISI ONABANJO UNIVERSITY

DEPARTMENT OF EARTH SCIENCES

HARMATTAN SEMESTER EXAMINATION

20015/2016 ACADEMIC SESSION

COURSE CODE: **GEY 201** COURSE TITLE: **PHYSICAL GEOLOGY**

TIME ALLOWED: **1 HOUR 30MINS.**

INSTRUCTION: **Answer one out of two in section A and all questions section B**

SECTION A

- $H^+ + HCO_3^- \rightarrow H_2O + CO_2$
1. What do you understand by the term "Mass Movement"
 - b. Briefly discuss some important factors, which aid mass movement
 - 2a. Explain various ways in which mass movement may occur? ✓
 - b. Write a short note on each of the following
 - i. Tal ✓
 - ii. Slump ✓
 - iii. Soil Creep ✓
 - iv. Solifiction ✓

SECTION B

1. What is rock cycle? ✓
- b. Compare and contrast erosion, weathering and transportation
- 2a. Discuss the different types of mechanical weathering citing suitable example of where they occur ✓
- b. Discuss the factors affecting weathering ✓
- 3a. Discuss chemical weathering with appropriate balance equation for each type ✓
- b. What is the significance of Bowen's reaction series to weathering. ✓