



**ELIZADE UNIVERSITY, ILARA-MOKIN
ONDO STATE
FACULTY: BASIC AND APPLIED SCIENCES
DEPARTMENT: PHYSICAL AND CHEMICAL SCIENCES
FIRST SEMESTER EXAMINATIONS
2020/2021 ACADEMIC SESSION**

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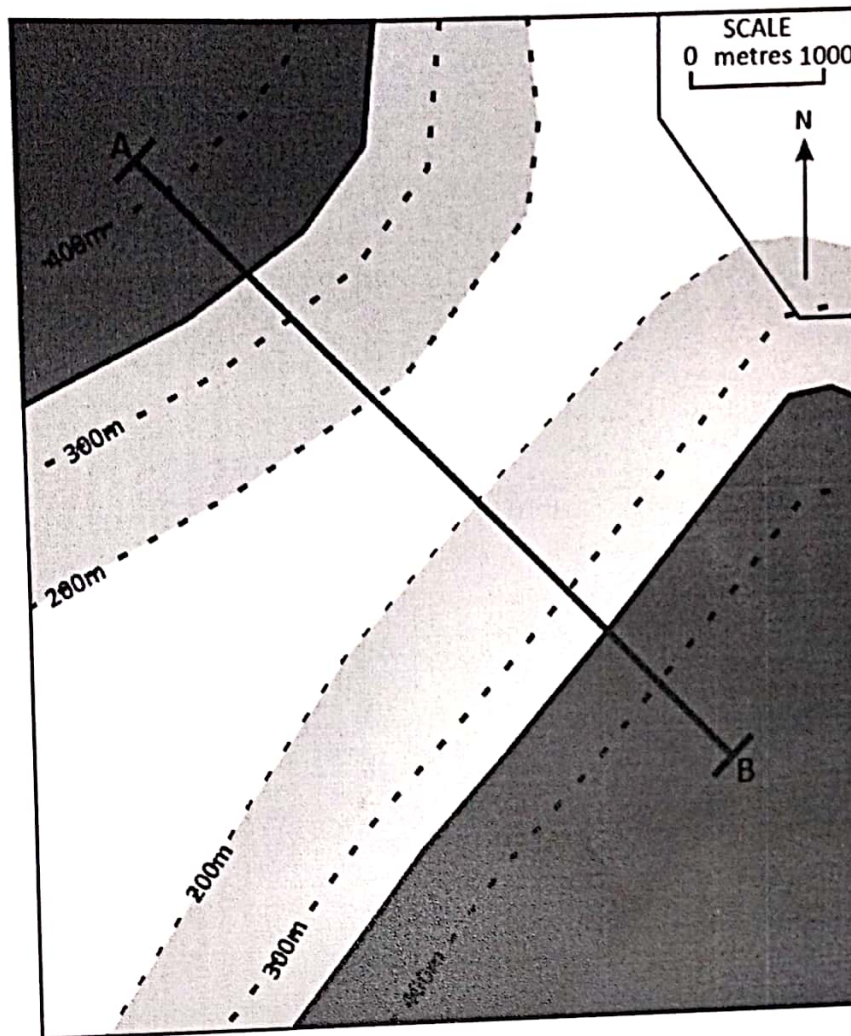
COURSE CODE: AGY 205
COURSE TITLE: GEOLOGICAL MAP INTERPRETATION
DURATION: 2 Hours

HOD'S SIGNATURE:

TOTAL MARKS: 60

**INSTRUCTIONS: ANSWER QUESTION ONE (1) AND THREE (3) OTHER
QUESTIONS IN ALL.**

1. Figure 1 is a geological map of location D
(a) Construct the geological cross-section A-B.
(b) Highlight the elements of a geological map.
2. Differentiate between the following pairs using illustrative diagrams as appropriate:
a) Batholiths and Stocks c) Joints and Faults
b) Normal and Reverse faults d) Sinistral and Dextral faults
3. Discuss the following using illustrative diagrams:
a) Sills c) Dykes e) Laccoliths
b) Lopoliths d) Cone sheets
4. (a) State the differences between a topographical profile and geological cross-section.
(b) Concisely explain the various ways of expressing scale on a map.
5. (a) What is an unconformity?
(b) Describe ways of identifying unconformity and faults on a geological map.
6. (a) Discuss in brief types of unconformity.
(b) What are the attributes of contour lines?



KEY

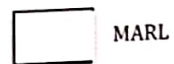


FIGURE 1: Geological Map of Location D