



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 305
COURSE TITLE: SEDIMENTOLOGY
DURATION: 3 Hours

HOD'S SIGNATURE

TOTAL MARKS: 60

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS IN ALL.

1. Write concise notes on the following:
i) Rudaceous rocks ii) Paraconglomerates iii) Arenaceous rocks iv) Breccia
v) Orthoconglomerates.
2. Explain in detail the processes involved in the formation and interpretation of sedimentary rocks.
3. Using the Logarithmic Phi Scale proposed by Udden-Wentworth and Krumbein (1934), convert the following values of a grain in millimeters to Φ values.
a) 0.0039 mm b) 0.0625 mm c) 0.25 mm d) 256 mm e) 4096 m
f) 2024 mm g) 16 mm h) 64 mm i) 2 mm j) 0.125 mm
4. (a) Discuss the bulk properties of siliciclastic sedimentary rocks using illustrative diagrams.
(b) Explain the term Sedimentary Depositional Environments.
5. (a) Enumerate the common depositional environments in which sedimentary rocks are formed.
(b) Compare and contrast positively and negatively skewed grain size populations.
6. Write concisely on the classification of Sedimentary Structures.