



A handwritten signature in black ink, appearing to read 'Olu F. Olu', is written on a light-colored rectangular background.

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FIRST SEMESTER EXAMINATIONS 2018/2019

COURSE CODE: AGY 305

UNITS: 3

COURSE TITLE: SEDIMENTOLOGY

TIME ALLOWED: 2HRS

INSTRUCTION: Answer Four Questions, Question No. 1 is Compulsory.

TOTAL MARKS: 60

1. Using the Logarithmic Phi Scale proposed by Udden-Wentworth and Krumbein (1934), convert the following values of a grain in decimeters to Φ values.
a) 44.4dm b) 49dm c) 59dm d) 79dm e) 1790dm
f) 2032dm g) 3dm h) 1/4dm i) 790dm j) 1/3dm
- 2a. Explain in detail, the processes involved in the formation and interpretation of Sedimentary rocks.
- b. Discuss in brief, types and importance of sedimentary rocks.
- 3 Write concise notes on the following:
i) Roundness ii) Sphericity iii) Conglomerates iv) Carbonates
v) Coal
- 4a Explain the term Sedimentary Depositional Environments.
- b Enumerate the common Depositional Environments in which Sedimentary rocks are formed.
- 5 Write concisely on the classification of Sedimentary Structures and highlight their current velocity
- 6a Compare and contrast positively and negatively skewed grain size populations.
- b Write short notes on the characteristics of Arkosic Arenites and Litharenites.