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FACULTY OF BASIC AND APPLIED SCIENCES

DEPARTMENT OF PHYSICAL AND CHEMICAL SCIENCES

SECOND SEMESTER BSC EXAMINATIONS 2016/2017 ACADEMIC SESSION

HOD's SIGNATURE

COURSE CODE: AGY 304

CREDITS: 2

COURSE TITLE: Stratigraphy

TIME ALLOWED: 2HRS

INSTRUCTION; Answer any four questions

- 1a. Define correlation and highlight its significance in geological studies
- b. Mention and describe at least three criteria that can be used to correlate stratigraphic units at different control points.
- 2a. What is an unconformity? With good sketch describe types of unconformity and highlight their specific recognition criteria.
- b. Define an index fossil and highlight their qualities
3. Provide short notes on the following;  
i) sequence (ii) Walther's law of Facies (iii) Marker bed (iv) Fluvial environment
- 4a. Critically discuss the Geology and Stratigraphy of the Lower Benue Trough of Nigeria and its economic potential.
- b. Distinguish between Neptunism and Plutonism
- 5a. With good illustrations discuss at least 2 types of biostratigraphic unit
- b. Write short notes on the following;  
i) Mesozoic Era  
(ii) Law of Superposition  
(iii) Formation as a stratigraphic unit