

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF PHYSICAL SCIENCES
DEPARTMENT OF GEOLOGY

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BTech GEOLOGY,
2017/2018 SESSION

COURSE CODE: GEL 521

UNIT: 2

COURSE TITLE: REGIONAL GEOLOGY OF AFRICA

INSTRUCTIONS: ANSWER QUESTION 1 AND ANY OTHER FROM SECTION A
AND ANY TWO QUESTIONS FROM SECTION B

TIME ALLOWED: 2 HOURS

DATE: 19TH SEPT. 2018

SECTION A:

1. Using well drawn maps, discuss the structural framework of the African continent.
2. What are the characteristics of greenstone belts?
3. Discuss age provinces and mineral deposits in the continental crust of Africa.

SECTION B:

4. a) Giving examples, attempt the classification of sedimentary basins of Africa based on origin.
b) On an outline map, show the position of the intracratonic basins of Africa.
5. a) Briefly discuss the structure and stratigraphy of the Chad basin.
b) Comment on the hydrocarbon prospectivity of the Chad basin.
6. a) Describe the tectonostratigraphic evolution of the Muglad basin.
b) Comment on the petroleum geology of the Muglad basin.