

FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI  
SCHOOL OF PHYSICAL SCIENCES  
DEPARTMENT OF GEOLOGY  
2018/2019 HARMATTAN SEMESTER EXAMINATION  
GLY 307 (2 UNITS) MAPS AND MAP INTERPRETATION

ATTEMPT THREE QUESTIONS, ONE FROM EACH SECTION      TIME: 1.5 Hrs.

SECTION A: (ATTEMPT ONE QUESTION)

- 1a. Explain why you deem it vital to have a topographic map while carrying out geological mapping.
- b. With possible sketches, describe a day in the activity of a Geologist who is engaged in geological mapping for use in finding quarry rock material.
2. What are the features that are needed to be seen in any geology map? Use very well-labelled diagrams to explain your points.

SECTION B: (COMPULSORY)

3. Study the legend in the given map A critically. Describe the geology of the area using structure contours as illustration.

SECTION C: (COMPULSORY)

4. Describe the various steps useful in mapping igneous rock terrains in accordance with Thorpe and Brown (1985).