



UNIVERSITY OF MINES AND TECHNOLOGY, TARKWA
SECOND SEMESTER EXAMINATIONS, MAY 2018

COURSE NO: **GL 274** Unihubgh.com
COURSE NAME: **PRINCIPLES OF MAPPING**
CLASS: **GL II** TIME: **3 Hrs**

Name: _____ Index Number: _____

Answer question one (1) and eight (8) other questions. Note: Your answers MUST be brief. although you may use graphs, sketches to illustrate your arguments.

1. You have been consulted by the government to provide geological knowledge of a newly acquired property in the Western Region of Ghana. Outline the various methodology, field procedures etc. you will use to produce a **detailed geological map**. (20 mrks)
2. Distinguish between these terms, “Field, Field studies and Field Geology”. (5 marks)
3. Outline the most important uses of geologic maps? (5 marks)
4. Mention the **four (4)** “golden rule” to be followed when planning for a field mapping project. (5 marks)
5. Outline the two process followed in producing a geological map (5 marks)
6. Mention **three (3)** of affiliate maps a geologist can use to compliment his base map? (5 marks)
7. Mention **five (5)** exposure sites where a geologist can locate outcrops in his mapping project? (5 marks)
8. Describe **five (5)** methods used in locating field data on a base map. (5 marks)
9. Distinguish topographic and geological maps (5 marks)
10. Determination of geological boundaries and the interpretation of structures such as faults, and folds during geological mapping follows **three (3)** basic procedures, what are these? (5 marks)
11. What is an attitude of a bed, illustrate with a sketch the three attitudinal measurements? (5marks)

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