

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF NATURAL AND APPLIED SCIENCES
GEOGRAPHY DEPARTMENT

FIRST SEMESTER EXAMINATION, 2012/2013 SESSION

COURSE CODE- GRY 311 (3 UNITS)

COURSE TITLE – INTRODUCTION TO GEOMORPHOLOGY AND SOIL GEOGRAPHY

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS.

TIME: 3 HOURS

1. Discuss the meaning, scope and relevance of geomorphology as an arm of geography (15marks).
2. (a) Classify and describe igneous rock based on its mineral and chemical composition (9marks).
(b) What are the characteristics of metamorphic rocks? (6 marks).
3. (a) Briefly trace the genesis of FAULT as a structural landform in geomorphology (5marks).
(b) With the aid of fully labelled diagrams describe any Two relevant types of faults (10marks).
4. Write an essay on the relationship between soil geography, soil science and pedology (15marks).
5. (a) Describe the JENNY five (5) soil states factors of soil equation (5 marks).
(b) What are the shortcomings of the Jenny'S equation and how can one attempt to correct it? (10marks)
6. Identify and explain the THREE BROAD classification of soil geography (15marks).