

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF NATURAL AND APPLIED SCIENCES

DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER EXAMINATION, 2013/2014 SESSION

COURSE CODE- GRY311 (3 UNITS)

COURSE TITLE – INTRODUCTION TO GEOMORPHOLOGY AND SOIL GEOGRAPHY

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS, TIME ALLOW TWO (2 1/2) HOURS

1. What relevance does a Geographer derive from the knowledge of Geomorphology as a field of study in Geography? (15marks).
2. a) Explain the process of sedimentation (5marks)
b) Describe the main characteristics of sedimentary rock and highlight its economic importance to man (10marks).
- 3.a) Trace the genesis of Faulting as a structural landform in geomorphology (5marks)
b) With the aid of diagrams, describe the relevant types of fault (10marks).
4. State the Jenny's Five (5) soil states equation, and explain the shortcomings of this equation and how can one attempt to correct them? (15marks).
5. Describe the various physical and chemical properties of soils and examine the role of Parent material as a factor in the process of soil evolution (15marks)
6. Explain the relationship between soil and plant growth? (15marks).