

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

FIRST SEMESTER 2013/2014 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: GRY 211P

COURSE TITLE: INTRODUCTORY CARTOGRAPHY (3 UNITS)

INSTRUCTION: Answer Question **five (5)** and any other two (2) (Credits will be given for proper usage of relevant illustrations and diagrams)

Time Allowed: 2 Hours

1. (a) Compare and contrast between a plane coordinate system and geographical coordinate system. (6 marks)
(b) Outline the various steps of rectangular grid system. (4 marks)
2. (a) State the major attributes involved in map making. (4 marks)
(b) Account for the ways in which computer assisted cartography is preferred over manual cartography. (6 marks)
3. (a) Explain the major ways by which a cartographer can group maps (4 marks)
(b) Explain the ways stated in (a) above. (6 marks)
4. (a) What is map production? (2 marks)
(b) Enumerate and explain the common elements of a map. (8 marks)
5. [a] Discuss **three (3)** of the following in the context of language of maps
[note: item (d) is compulsory]
 - i. Selection (2 marks)
 - ii. Generalization (2 marks)
 - iii. Exaggeration (2 marks)
 - iv. Symbolization (6 marks)

[b] Give a detailed description of the **shape** and **size** of the earth (10 marks)