

DEPARTMENT OF GEOGRAPHY  
FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA  
FIRST SEMESTER EXAMINATION, 2011/2012 SESSION

**COURSE CODE:** GRY 211 (3 units)

**COURSE TITLE:** INTRODUCTORY CARTOGRAPHY

**INSTRUCTIONS:** Answer any four (4) questions of your choice. Credit will be given for the use of specific examples and appropriate diagrams.

**TIME ALLOWED: 2 ½ Hours**

1. Explain clearly the major attributes that a cartographer can set aside before selecting drawing surfaces. (10 marks)
2. Enumerate and explain the major classes of map. (10 marks)
3. Compare and Contrast the Plane Coordinate System and the Spherical Coordinate System. (10 marks)
4. (a) List six common elements of a map. (6 marks)  
(b) Explain any two of the elements listed above. (4 marks)
5. (a) List and explain the hardware components used by a cartographer. (6 marks)  
(b) Explain the advantages that automation has brought to cartography (4 marks)
6. Describe the major classes of map symbols and state the important variables in each class. (10 marks)