FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF NATURAL AND APPLIED SCIENCES

DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2012/2013 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: GRY 211 (3 units)

COURSE TITLE: INTRODUCTORY CARTOGRAPHY

INSTRUCTIONS: Answer other 4 questions. Credit will be given for the use of specific examples and appropriate diagrams where necessary.

TIME: 3 hours

1. (a) What is map projection? (2 marks)
   (b) State clearly three (3) developable surfaces used in map projection and explain how each type of map projection is carried out. (8 marks)

2. (a) Describe two (2) kinds of hardware components required for computer mapping with examples of each. (6 marks)
   (b) State four (4) major advantages of automated cartography over manual cartography (4 marks)

3. (a) What is map? (2 marks)
   (b) State and explain the major attributes of map making (8 marks)

4. Write explanatory notes on the following:
   (a) Base map
   (b) Map checking
   (c) Map design
   (d) Map enlargement (a – d = 10 marks)

5. List and explain the major classes of map (10 marks)

6. Distinguish between Latitude and Longitude and explain their relevance in cartography (10 marks)