

## DEPARTMENT: GEOMATIC ENGINEERING

ACADEMIC YEAR : 2017/18  
SEMESTER : SECOND  
TITLE : CARTOGRAPHY  
COURSE CODE : GM 278  
DURATION : 3 HOURS

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### **SECTION A (A Total of 50 Marks is awarded)**

*Answer all questions in this Section*

1. Define Cartography as by the International Cartographic Association. [2 Marks]
2. Explain the statement “Cartography is very dynamic in nature” [4 Marks]
3. Define a map and write on the common problems/things to be aware of. [10 Marks]
4. List and explain the conventional and digital maps. [12 Marks]
5. Write briefly on GIS maps. [6 Marks]
6. Using suitable diagram(s) explain Graticules and Grids. What are the differences between the two? [8 Marks]
7. With the aid of suitable diagram(s) explain the Ghana National Grid. [8 Marks]

### **SECTION B (A Total of 50 Marks is awarded)**

*Answer TWO questions in this Section*

1. Explain in much detail the term Generalization in map production. [25 Marks]
2. To achieve maximum effectiveness in map design, the following factors should be considered: list and explain [25 Marks]
3. Write on the following elements of map in map production:
  - a. The title and the border of a map [5 Marks]
  - b. Map Legend [10 Marks]
  - c. North Arrow and Scale [10 Marks]