

**COURSE CODE: GRP305/TLM 301**

**TIME ALLOWED: 2 HOURS**

- 1(a) Examine the relevance of Geographic Information System (GIS) to your profession. ✓
- 1(b) What is Database Management Systems (DBMS)? ✓
- 1(c) Identify and discuss three (3) broad families of DBMS used in handling Geographic Data. ✓
2. Outline and discuss five (5) major components of GIS. ✓
3. Examine the four (4) general approaches to defining GIS as commonly found in the literature.
4. Write short note on the following as they relate to functions of GIS
  - (i) Data Input ✓
  - (ii) Geo-referencing ✓
  - (iii) Data Storage ✓
  - (iv) Network Analysis
  - (v) Buffering ✓
5. Identify and discuss any ten (10) hardware and five (5) GIS software that you would recommend for an ideal GIS laboratory.