OLABISI ONABANJO UNIVERSITY, AGO-IWOYE FACULTY OF SOCIAL AND MANAGEMENT SCIENCES DEPARTMENT OF GEOGRAPHY 2016/2017 HARMATTAN SEMESTER EXAMINATION **B.Sc. DEGREE EXAMINATION** COURSE TITLE: GEOGRAPHICAL INFORMATION SYSTEM/TRANSPORT INFORMATION SYSTEM COURSE CODE: GRP305/TLM 301

INSTRUCTION: ANSWER QUESTION ONE (1) AND ANY OTHER TWO (2)

TIME ALLOWED: 2 HOURS

Examine the relevance of Geographic Information System (GIS) to your profession.

What is Database Management Systems (DBMS)?

Identify and discuss three (3) broad families of DBMS used in handling Geographic 1(c) Data.

- 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.
- Write short note on the following as they relate to functions of GIS
 - Data Input ~ (i)
 - (ii) Geo-referencing
 - Data Storage ~ (iii)
 - (iv) Network Analysis
 - (v) Buffering
- Identify and discuss any ten (10) hardware and five (5) GIS software that you would recommend for an ideal GIS laboratory.