

Sci/13/14/01/92

OLABISI ONABANJO UNIVERSITY, AGO-IWOYE
FACULTY OF SOCIAL AND MANAGEMENT SCIENCES
DEPARTMENT OF GEOGRAPHY
2015/2016 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

- 1(a) Explain the meaning of Geographic Information System (GIS).
- 1(b) Give a short historical perspective of GIS.
- 1(c) What is Database Management Systems (DBMS).
- 1(d) Identify and discuss three (3) broad families of DBMS used in handling Geographic Data. (40 marks)
2. Outline and discuss five (5) major components of GIS. (15 Marks)
3. In a tabular form highlight the differences and similarities between GIS and CADD. (15 Marks)
4. Write short note on each of the following:
 - (i) Data Input
 - (ii) Geo-referencing
 - (iii) Data Storage
 - (iv) Map Overlay Analysis
 - (v) Buffering (15 marks)
5. Identify and discuss any ten (10) hardware and five (5) GIS software that you would recommend for an ideal GIS laboratory. (15 marks)