



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
JUNE 2020_1 EXAMINATION

COURSE CODE: ESM 407

COURSE TITLE: Geographic Information System.

CREDIT: 3 Units

TIME ALLOWED: 2 ½ Hours

Instruction: Attempt question number ONE (1) and any other FOUR (3) questions. Question number one (1) carries 22 marks, while the other questions carry (12) marks each.

- 1a) Outline the problems that hinder the implementation of GIS **(7marks)**
- 1b) Identify the determinants of a good quality storage device **(3marks)**
- 1c) Succinctly elucidate on the challenges of GIS implementation in Nigeria **(12marks)**

- 2a) Explain the reasons for data updating **(4marks)**
- 2b) Discuss the scope and concept of visualization **(8marks)**

- 3a) Define GIS **(2marks)**
- 3b) List the ways in which GIS can be used to enhance
Tourism **(5½marks)**
Education **(4½marks)**

- 4a) What is data updating? **(3marks)**
- 4b) List the requirements for GIS implementation **(9marks)**

- 5a) What is Geographic Data? **(3marks)**
- 5b) A full-fledged, comprehensive GIS has dedicated facilities or subsystems for? **(4marks)**
- 5c) Discuss the essential features of GIS **(5marks)**

- 6a) Outline the application of GIS in; **(8marks)**
 - i. Electoral Administration
 - ii. Facilities Mapping and Management
- 6b) State the advantages of a cost-benefit analysis in GIS implementation planning **(4marks)**