



NATIONAL OPEN UNIVERSITY OF NIGERIA
SCHOOL OF SCIENCE AND TECHNOLOGY
ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT

JANUARY 2013 EXAMINATIONS

COURSE CODE: ESM 407

TIME: 3HOURS

COURSE TITLE: GEOGRAPHIC INFORMATION SYSTEMS (3 units)

INSTRUCTION: Attempt any five questions

1. Provide a historical background to the science and technology of Geographic Information Systems. (20marks)
2. Many scholars have defined GIS differently. State at least five (5) of such definitions indicating the author of each. (20marks)
3. With appropriate examples, discuss the essential features of GIS. (20marks)
4. State and explain major questions that GIS can answer. (20marks)
5. Highlight the factors responsible for the growth of GIS. (20marks)
6. Identify and Discuss the characteristics of geographical features. (20marks)
7. Discuss the qualities of a good storage device for GIS data. (20marks)