



National Open University of Nigeria  
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja  
Faculty of Science  
2023\_2 EXAMINATIONS\_

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**COURSE CODE: ESM346**

**COURSE TITLE: Environmental Planning and Management**

**CREDIT: 2 Units**

**TIME ALLOWED: 2 Hours**

**Instruction:** Attempt question number ONE (1) and any other THREE (3) questions. Question number one (1) carries 25 marks, while the other questions carry (15) marks each.

- 1a. Define a village and enumerate the precautions necessary for a village to emerge (4marks)
- 1b. Describe the basic features of a rural area (6marks)
- 1c. Define a town and outline the basic conditions for a town to emerge (6marks)
- 1d. Discuss the three broad perspectives for the definition of urban centres (9marks)
  
- 2a. With relevant examples, explain factors that determine the location of service facilities in urban areas (12marks)
- 2b. Enumerate the three types of costs that are expected to be borne by the people in the provision of community facilities (3marks)
  
- 3a. Explain the strategies for urban solid waste management (8marks)
- 3b. Enumerate four (4) environmental effects of poor solid waste management (4marks)
- 3c. List three (3) likely problems of solid waste management (3marks)
  
- 4a. Discuss the control and mitigation measures of soil pollution (10marks)
- 4b. Enumerate five (5) common pollutants of soil (5marks)
  
- 5a. With relevant examples, discuss six (6) major effects of flooding (9marks)
- 5b. Explain any four (4) prevention and control measures of flood (6marks)