



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
2021_1 EXAMINATIONS

COURSE CODE: ESM431

COURSE TITLE: ENVIRONMENTAL HEALTH AND SAFETY

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). What is biodiversity according to the Convention for Biodiversity (CBD) 1992? (2 marks)
 - 1b) Mention five greenhouse gases man's activities adds to the atmosphere (5 marks)
 - 1c) State three ways in which man's activities impacts on worlds' climate. (3 marks)
 - 1d) What is meant by environmental Sustainability? (2 marks)
 - 1e) Describe the two basic standards for effective environmental control. (4 marks)
 - 1f) Identify five functions of FEPA. (5 marks)
 - 1g) Highlight four fundamental objectives which Nigeria's Agenda 21 Programme seeks to achieve. (4 marks)
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- 2a) Discuss the advantages of Strategic Environmental Assessment (SEA). (7 marks)
 - 2b) Compare and contrast the screening and scoping process of EIA and SEA methods. (4 marks)
 - 2c) Outline any four problem areas of SEA. (4 marks)
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- 3a) Highlight five external uses of LCA to a state. (5 marks)
 - 3b) Evaluate the concept of Clean Technology. (5 marks)
 - 3c) Enumerate the benefits of clean Technology. (5 marks)
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- 4a) Evaluate the relationship between Risks Management and EMS. (5 marks)
 - 4b) Highlight the benefits of Risks Management (5 marks)
 - c) Distinguish between risks assessment and risks management. (5 marks)
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- 5a) Discuss the environmental factors that cause accidents. (4 marks)
 - 5b) Explain the classification of accidents based on the degree of danger to life and property. (4 marks)
 - 5c) Discuss five principles of accidents prevention. (7 marks)