

**National Open University of Nigeria**

**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja**

**Faculty of Science**

**APRIL/MAY, 2019 EXAMINATIONS**

**COURSE CODE: ESM 431**

**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

1. i. Briefly comment on Global Warming and Climate change as important elements in Environmental studies **(6marks)**

ii. Define Environmental Management Systems **(3marks)**

iii. List ANY four factors that may affect Environmental Impact Assessment. **(4marks)**

iv, What are the uses of Environmental Audit? **(3 marks)**

v. What are Objective Probabilities and how are they different from Subjective Probabilities in Risk Management of Environmental Systems? **(6marks)**

vi. What is Cleaner Technology? **(3marks)**

1. a. What is Environmental law Legislation? Discuss the controls that may be achieved with the Laws. **(9marks)**

b. Using three factors, distinguish between Environmental Impact Assessment and Strategic Environmental Assessment. **(6marks)**

1. Highlight any four categories of Environmental aspects **(8marks)**

b. How is Planning an important element in Environmental Management Systems? **(7marks)**

1. a. Comment on any four elements of Environmental Audit Report. **(4marks)**

b. What is ‘Sustainable Development’? **(2marks)**

c. Discuss any two categories to which accidents may be classified. **(4marks)**

d. List general principles of First Aid **(5marks)**

1. a. What are the objectives of Occupational Health and Safety Management System?

**(5marks)**

b. List any four benefits of Cleaner Technologies in Environmental Management. **(5marks)**

c. Explain fire extinguishing techniques **(5marks)**