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) Highlight the most common international treaties on environmental regulations called conventions. (8 marks)
1b) Explain what is meant by Environmental Management Systems (EMS)? (2 marks)
1c) Explain the concept of SMART in formulating specific performance objectives of an organizations' EMS plan. (5 marks)
1d) Outline the elements of ISO 14001. (5 marks)
1e) what is Environmental Impact Assessment? (2 marks)
1f) Highlight the baseline study process of EIA in Nigeria. (3 marks)

2a) Explain the concept of Sustainable Development. (7 marks)
2b) Mention five requirements needed to achieve sustainable development. (5 marks)
2c) Explain the goals of sustainable development. (3 marks)

3a) State five questions that an organizations management must ask in formulating Occupational Health & Safety policy (OH&S) (2½ marks)
3b) Highlight the elements of an organization's OH&S policy. (8 marks)
3c) Describe the main content of a typical template of an organizations' OH&S policy (4½ marks)

4a) Explain how planning is the key to ensuring that your health and safety efforts really work. (8 marks)
4b) Discuss what is meant by 'positive health and safety culture'. (4 marks)
4c) Hierarchically describe the process of implementation and operation of OH&S management system. (3 marks)

5a) Describe the procedural steps involved in administering first aid. (5 marks)
5b) Explain the steps to be followed in providing artificial mouth-to-mouth respiration. (5 marks)
5c) Discuss first, second degree and chemical burns. (5 marks)