



NATIONAL OPEN UNIVERSITY OF NIGERIA

University Village, Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi - Abuja.

**FACULTY OF SCIENCES
ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT
JANUARY/FEBRUARY 2018 EXAMINATIONS**

COURSE CODE: ESM 431

CREDIT UNITS: 2

COURSE TITLE: ENVIRONMENTAL HEALTH AND SAFETY

Time Allowed: 2 Hours

INSTRUCTION: Attempt question number one (1) and any other three (3).

- 1a.** Give the full meaning of the following acronyms:
(a) EEC(**1mark**), (b) NESREA(**1mark**), (c) HFC(**1mark**), (d) VOC(**1mark**), (e) OGEPA(**1mark**)
- 1b.** List four benefits of occupational health and safety audits (**4marks**)
- 1c.** Mention five reasons for scheduling a pre-audit meeting before actual audit (**5marks**)
- 1d.** Define Strategic Environmental Assessment (SEA) as stated by Therivel (2004) (**3marks**)
- 1e.** Comment on global warming and climate change as important elements in environmental studies (**5marks**)
- 1f.** Define Environmental Management Systems (**3marks**)
- 2.** Explain the negative impact of man's activities through the following factors:
 - (i) Global warming (**3marks**)
 - (ii) Climate change (**3marks**)
 - (iii) Food webs (**3marks**)
 - (iv) Waste recycling and disposal (**3marks**)
 - (v) Fresh water (**3marks**)
- 3.** Discuss the processes of Environmental Impact Assessment (EIA). (**15marks**)
- 4a.** List any four categories of Environmental aspects (**4marks**)
- 4b.** How is Planning an important element in Environmental Management Systems (**7marks**)
- 4c.** Comment on any four elements of Environmental Audit. (**4marks**)
- 5.** Discuss the costs of industrial accidents. (**15marks**)