



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
OCTOBER 2019_2 EXAMINATIONS

COURSE CODE: ESM 403

COURSE TITLE: ENVIRONMENTAL PERCEPTION

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) Write brief notes on the following (18mks)

Troposphere (5mks)

Stratosphere (5mks)

Mesosphere (4mks)

Thermosphere (4mks)

1b) Describe the formation of igneous rocks (4mks)

1c) Diagrammatic illustrate the Inter-relationship among the Components of the Environment (3mks)

2a) Highlight the concept of water pollutants (4mks)

2b) State the three major interactions which have serious implications on the hydrologic cycle (3mks)

2c) Discuss the early trends of waste perception and management (8mks)

3a) What is Ozone? (3mks)

3b) State the major features of the hypothesis of ozone depletion by Mario Molina and Sherwood Rowland (8mks)

3c) List the aspects of our environment which air pollution affects (4mks)

4) Elucidate on the scope and nature of perception (15mks)

5a) succinctly discuss the Lithosphere (10mks)

5b) Highlight any 5 major classes of pollutants, as identified by Miller (1996) which cause most outdoor air pollution (5mks)