



**NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
MARCH/APRIL 2015 EXAMINATION**

COURSE CODE: ESM 424
COURSE TITLE: FRESHWATER ECOLOGY
TIME: 2 hours

Instruction: Answer four questions only

1. Expatriate on four main constituents of the living environment that form the fresh water ecosystem. **(17½ marks).**
2. Expound on the role of Autotrophs in Fresh water **(17½ marks).**
3. Explain the temperature related factors affecting the functioning of any fresh water ecosystem. **(17½ marks)**
4. Describe the various ways through which man may interfere with fresh water communities **.(17½ marks)**
5. Write short notes on the following aquatic organisms
 - a. Insects
 - b. Mollusca
 - c. zooplanktons
 - d. Fishes
 - e. Amphibians **(17½ marks).**
6. **a.** Define the term lotic water giving a fresh water example (1½ marks)
 - b. List four sources of fresh water lotic communities.(2 marks)
 - c. Explain the factors affecting organisms in lotic water ecosystems **(14½ marks).**