



**NATIONAL OPEN UNIVERSITY OF NIGERIA  
14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS  
SCHOOL OF SCIENCE AND TECHNOLOGY  
JUNE/JULY EXAMINATION**

**COURSE CODE: ESM 424**

**COURSE TITLE: FRESHWATER ECOLOGY**

**TIME ALLOWED: 2 hours**

**INSTRUCTION: Answer 4 questions only**

1. Discuss the four main constituents of the living environment that form the fresh water ecosystem. (17½ marks).
2. Aquatic organisms can be classified into four major groups, each varying in their biological characteristics, habitat, and adaptations. Examine these groups and their relationships with one another.  
(17½ marks)
3. Explain the temperature related factors affecting the functioning of any fresh water ecosystem (17½ marks)
4. Discuss the major factors that affect the concentration of oxygen in lentic fresh water communities (17½ marks)
5. Discuss the various ways through which man may interfere with fresh water communities(17½ marks)
6. Identify and explain the possible strategies for the management of fresh water ecosystem (17½ marks)