



**UNIVERSITY OF AGRICULTURE, ABEOKUTA**  
**COLLEGE OF ENVIRONMENTAL RESOURCES MANAGEMENT**  
**DEPARTMENT OF FORESTRY AND WILDLIFE MANAGEMENT**

**FIRST SEMESTER EXAMINATION 2009/2010 SESSION**  
**COURSE CODE: FWM 303**

**COURSE TITLE: NATURAL ECOSYSTEM**

**DATE: FRIDAY 9<sup>TH</sup> JULY, 2010**

**TIME ALLOWED: Two Hours**

**INSTRUCTION: Answer any TWO Questions from each section.**

**SECTION A**

- 1.(a) Describe 5 of the characteristics you would look for in an aquatic plant.
- (b) List three of the major challenges that confront the aquatic plant.
- (c) What are the dangers posed by excessive algal growth/bloom?
- 2.(a) What is pH? What is the relationship of pH and ammonia toxicity in fresh water?
- (b) What is light? Describe at least 2 importance of light to aquatic life.
- (c) What is the relationship of temperature and dissolved oxygen (DO)?
3. Write short notes on the following:
  - Epilimnion
  - Thermocline
  - Lotic and lentic water systems
  - Turbidity

**SECTION B**

- 4.(a) What is ecosystem?
- (b) How does human activities affect ecosystem?
- 5.(a) List and explain ecosystem services.
- (b) Enumerate five benefits of ecosystem.
6. Differentiate between the followings:
  - (a) Biotic and abiotic factors
  - (b) Direct and Indirect drivers
  - (c) Critical and endangered species
  - (d) Floral and faunal resources of ecosystem
  - (e) Ecosystem and habitat.