

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

**FACULTY OF APPLIED SCIENCE
DEPARTMENT OF FOREST RESOURCES AND WILDLIFE MANAGEMENT
BACHELOR OF SCIENCE HONOURS DEGREE
MAIN EXAMINATION**

WETLAND ECOLOGY: EFW 4110

May 2014

Time Allowed: 3 Hours

Total Marks: 100

INSTRUCTIONS TO CANDIDATES:

Answer **QUESTION ONE** and any other **THREE**. Each question carries **25 marks**.

1. (a) Briefly describe wetland hydroperiod **[5 marks]**
(b) How can increased flooding increase diversity in a wetland? **[20 marks]**
2. Explain the influence of hydrology on the physical and chemical properties of wetlands.
3. Describe in detail the structure and function of any four wetland types.
4. Explain how wetlands can remove excess nitrogen from waters that pass through them.
5. Wetland productivity, decomposition, and nutrient cycling tend to be linked and tied to flooding and stream flows. Explain?
6. Outline in detail the importance of wetlands in the conservation of birds citing examples of bird species that use wetlands at some time during their life cycle.

***** END OF PAPER *****