

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 2013

Time Allowed: 3 Hours

Total Marks: 100

INSTRUCTIONS TO CANDIDATES:

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

1. Ecologists argue as to whether diversity brings stability or whether stability brings diversity. Discuss this statement in the context of wetland ecosystems.
2. Giving named examples, explain the impact of invasive plants on wetland ecosystem.
3. Describe the successes and failures associated with integrated wetland management in southern Africa.
4. With examples, discuss in detail **five** threats to wetlands.
5. Explain, giving examples, the functions of wetland ecosystems.
6. (a) List five criteria for recognizing wetlands according to the Ramsar Convention. **[5 marks]**

(b) Discuss the importance of international legislation in safeguarding wetland integrity with particular reference to the Ramsar Convention. **[20 marks]**

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