

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

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

BIODIVERSITY AND CONSERVATION: EFW 4202

May 2013

Time Allowed: 3 Hours

Total Marks: 100

INSTRUCTIONS TO CANDIDATES:

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

1. (a) Discuss any 3 major determinants of species diversity. **[9 marks]**
(b) Briefly describe the major biodiversity extinction crises. **[10 marks]**
(c) Write brief notes on the “sixth extinction”. **[6 marks]**
2. Discuss the potential benefits and risks of promoting the development and use of Transgenic Organisms.
3. Discuss the major threats to biodiversity in Africa.
4. Discuss how biodiversity conservation can be enhanced through:
(a) Indigenous knowledge. **[8 marks]**
(b) National legislation. **[8 marks]**
(c) International Treaties and Conventions. **[9 marks]**
5. Describe the UNEP Millennium Ecosystem Assessment conceptual approach to links between biodiversity and poverty reduction.
6. Evaluate the incorporation of biodiversity conservation in the global blueprint for sustainable development.

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

