

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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

**FOREST HARVESTING AND UTILISATION : EFW 4203**

**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. Distinguish between timber harvesting operations applied in plantations and those in indigenous woodlands.
2. Describe the process of producing a cutting plan.
3. Explain how the volume control method can be used in timber yield regulation.
4. Suggest and discuss Terms of Reference for conducting an EIA for a timber harvesting project at Fuller forest.
5. With the aid of examples, detail the effects of ground skidding extraction methods on soils and water quality.
6. Reduced Impact Logging is an essential principle that should be adopted by timber harvesting operators. Discuss.

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

