

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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

**INTRODUCTION TO FORESTRY: EFW 1201**

**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. Describe the key characteristics of a typical rainforest ecosystem.
2. (a) Explain the importance of thinning operations in forestry. **[20 marks]**  
(b) Distinguish between any two methods of thinning. **[5 marks]**
3. Give a detailed account of any two shoot diseases and how they can be controlled.
4. Describe the box nursery system and polythene sleeve nursery system, explain the advantages and disadvantages of each system.
5. Disturbances are essential in the maintenance of species diversity in the forest and woodland ecosystems. Discuss.
6. Discuss the single tree selection silvicultural system.

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

