

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 2014

Time Allowed: 3 Hours

Total Marks: 100

INSTRUCTIONS TO CANDIDATES:

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

1. Give clear explanation of each of the following terms:

- (a) Prescribed cut
- (b) Felling cycle
- (c) Logging

[7 marks]

[8 marks]

[10 marks]

2. You are required to produce a timber harvesting plan for Fuller forest, explain the factors that would affect your planning.

3. Discuss any **four** concepts of "Reduced Impact Logging".

4. Discuss the basic principles of timber harvesting practices that should be considered if ecological sustainability is to be guaranteed in tropical countries.

5. Critically evaluate the timber harvesting policy used in the indigenous woodlands of Zimbabwe.

6. Describe in detail, the necessary steps that one would carry out before the implementation of any timber harvesting operation. Explain why each step is important.

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