

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF APPLIED SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE AND HEALTH
BACHELOR OF SCIENCE HONOURS DEGREE
SUPPLEMENTARY EXAMINATIONS

INTRODUCTORY ECOLOGY: ESH 1203

July 2011

Time allowed: 3 Hours

Total Marks: 100

INSTRUCTIONS:

Answer any FOUR Questions. Each question carries 25 marks.

1. Describe the meaning of density dependent and density independent factors and discuss their role in population regulation.
2. Describe the successional processes that occur on open fallow fields and in a forest gap created by a storm.
3. Describe sampling techniques that you have learnt and indicate how you would use each one of them.
4. a) Briefly discuss the following: (i) niche, (ii) guild, (iii) habitat selection factors. **(13 marks)**
 b) Briefly discuss the significance of the above factors in wildlife management. **(12 marks)**
5. Discuss the process of decomposition and its importance in the function of a woodland ecosystem.
6. Discuss conservation strategies in Zimbabwe and indicate the factors that may threaten their full implementation.

End of Question Paper

