



(University of Choice)

**MASINDEMULIROUNIVERSITY OF  
SCIENCE AND TECHNOLOGY  
(MMUST)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS  
2015/2016ACADEMIC YEAR**

**SUPPLEMENTARY EXAMINATIONS**

**FOR THE DEGREE  
OF  
BACHELOR OF SCIENCE IN DISASTER MITIGATION AND  
SUSTAINABLE DEVELOPMENT (DMSD) & DISASTER  
PREPAREDNESS AND ENVIRONMENTAL MANAGEMENT  
(DPEM)**

**COURSE CODE:** CDS 100

**COURSE TITLE:** PRINCIPLES OF CONSERVATION

**DATE:** 19/08/2016

**TIME:** 3.00PM-5.00PM

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**INSTRUCTIONS TO CANDIDATES**

This paper contains five (5) questions (overleaf)

- Attempt **ALL** questions in Section A and **ANY two** in Section B
- Be concise and to the point

MMUST observes **ZERO** tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.

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**SECTION A: ANSWER ALL QUESTIONS**

1. (a). Discuss the role of environmental groups in conservation (9mks)
- (b) Briefly explain how the following pressures contribute to loss of biodiversity;
- i). agriculture (5½ Marks)
  - ii). settlements (5½ Marks)
2. (a) Using appropriate examples discuss the use and effectiveness of *ex-situ* and *in-situ* approaches as conservation techniques (20mks)

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**SECTION B: ANSWER ANY TWO QUESTIONS**

- 3 (a) Using a specific example, explain how bioremediation is applied in management of degraded areas (7 marks)
- (b) What factors would you consider when selecting a remedial option for a degraded land? (8marks)
- 4 (a). Discuss the meaning of the term *prescribed fire*, and give its ecological benefits in detail (10mks)
- (b). What are the factors that should be adhered to in the safe use of prescribed fire? (5mks)
5. (a). Define the term “Extinction” and give its underlying causes (9marks)
- (b). How does air pollution endanger ecosystems and biodiversity conservation? (6marks)