



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY  
(MMUST)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS  
2021/2022 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE  
DEGREE**

**OF**

**DOCTOR OF PHILOSOPHY IN DISASTER MANAGEMENT AND  
SUSTAINABLE DEVELOPMENT (DMSD)**

**COURSE CODE: DSM 998**

**COURSE TITLE: ADVANCED RESEARCH METHODS AND  
APPLICATIONS**

**DATE: 27/04/2022**

**TIME: 9 - 12 NOON**

---

**INSTRUCTIONS TO CANDIDATES**

- This paper contains **FIVE** Questions
- Answer any **FOUR** Questions
- All questions carry equal marks (20)

**TIME: 3 Hours**

MMUST observes **ZERO** tolerance to examination cheating

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

### **Question ONE**

Research mainly emphasizes the development of generalizations/theories, which assist in predicting future occurrences. Discuss this statement. **(20 marks)**

### **Question TWO**

Explain the significance of the following key components of a research proposal:

- i). Statement of the research problem **(5 marks)**
- ii). Research objectives **(5 marks)**
- iii). Literature review **(5 marks)**
- iv). Research Methodology **(5 marks)**

### **Question THREE**

Plagiarism is a deliberate fraud in research, which can be avoided at the point of choosing a research problem. Discuss. **(20 marks)**

### **Question FOUR**

Describe different types of research, pointing out the difference between experimental and survey design. **(20 marks)**

### **Question FIVE**

Scientific research must satisfy a given set of criteria. State and describe any six salient criteria expected of a good research. **(20 marks)**