



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF BUSINESS & ECONOMICS**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF MASTER OF LOGISTICS**  
**AND SUPPLY CHAIN MANAGEMENT**  
**1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2022/2023 ACADEMIC YEAR**  
**REGULAR**  
**NAIROBI CAMPUS**

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**COURSE CODE: MLS 5112**

**COURSE TITLE: OPERATIONS IN LOGISTICS**

**EXAM VENUE: STREAM: (MLSCM)**

**DATE: 19/12/2022 EXAM SESSION: 15.00-17.00PM**

**TIME: 3 HOURS**

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**Instructions:**

- 1. This paper consists of 6 questions**
- 2. Answer any FOUR questions**
- 3. ALL questions carry equal marks**

### **QUESTION ONE**

You have been appointed the Logistics Manager at Mafuta Oil Company. Describe how you will design a Logistics network that will deliver the desired Level of customer service by the firm. (15 marks)

### **QUESTION TWO**

Using examples, discuss how Timed Based Logistics can be used to enhance efficiency of a Humanitarian firm. (15 marks)

### **QUESTION THREE**

Discuss any THREE Logistical Operating systems that are capable of delivering an acceptable balance of performance, cost and flexibility for a firm. (15 marks)

### **QUESTION FOUR**

Discuss any FIVE Logistics environmental assessment that must be undertaken in order for Logistics Managers in order to formulate a strategy that will guide the Logistics process. (15 marks)

### **QUESTION FIVE**

Discuss the process of Logistics Reengineering that can be undertaken by a firm so as to improve performance of Logistics operations. (15 marks)

### **QUESTION SIX**

Discuss how the Systems Concept can be applied in the design of the Logistics network for a firm. (15 marks)