



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF BUSINESS & ECONOMICS**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF LOGISTICS**  
**AND SUPPLY CHAIN MANAGEMENT**  
**2<sup>ND</sup> YEAR 2<sup>ND</sup> SEMESTER 2016/2017 ACADEMIC YEAR**  
**KISUMU CAMPUS**

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**COURSE CODE: BLM 3221**

**COURSE TITLE: MATERIALS HANDLING**

**EXAM VENUE:**

**STREAM: (BLSM)**

**DATE:**

**EXAM SESSION:**

**TIME: 2 HOURS**

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**Instructions:**

- 1. Answer Question ONE (COMPULSORY) and ANY other 2 questions**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

## QUESTION ONE

- a) The introduction of pallets as unit load for material handling and storage was mainly possible because of the forklift truck. Discuss five main advantages of forklift. **( 5 marks)**
- b) Explain five important principles of warehouse design. **( 5 marks)**
- c) Stores management audit is a comprehensive, systematic independent and periodic examination of a company's stores environment. Explain the purpose of stores management audit. **( 5 marks)**
- d) Discuss five factors that a warehouse designer needs to consider. **(10 marks)**
- e) Highlight five factors which should be considered when examining any stores handling problems. **(5 marks)**

## QUESTION TWO

- a) Discuss five factors to be considered when selecting the most appropriate type and size of equipment. **(10 marks)**
- b) Explain five factors that determine the stock holding capacity in a warehouse. **(10 marks)**

## QUESTION THREE

- a) Unitization of load plays important role in effectiveness of the material handling system installed in the warehouse. Discuss. **(10 marks)**
- b) "Inventory control is a key to profitable running of business." Comment. **(10 marks)**

## QUESTION FOUR

- a) Discuss any five store layouts with their merits and demerits. **(10 maks)**
- b) The management of storage facilities is an essential task of the stores department. Discuss the efficiency of operations a storage facility. **(10 marks)**

## QUESTION FIVE

- a) Makari is a newly appointed warehouse manager at JOOUST and he has identified frequent warehouse movement a major challenge. Explain on how he can minimize warehouse movement. **(10 marks)**

b) Discuss five types of racking that are available for storing pallets.

**(10 marks)**