



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF BUSINESS & ECONOMICS**  
**EXAMINATION FOR BACHELOR OF LOGISTICS AND SUPPLY CHAIN MANAGEMENT**  
**FOURTH YEAR SEMESTER ONE UNIVERSITY EXAMINATION FOR 2017/2018**  
**MAIN CAMPUS**

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**COURSE CODE: BLM 3412**

**COURSE TITLE: LOGISTICS INFORMATION SYSTEMS**

**EXAM VENUE: LAB 13**

**STREAM: BLSCM**

**DATE: 19/12/2017**

**EXAM SESSION: 2:00-4:00PM**

**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 (30 marks)**

- a. Name **three** Logistics Information Technologies that could be used to achieve various logistics functions in an organization. (3marks)
- b. State **three** advantages of forecasting in logistics Information System development. (3 marks)
- c. Explain two reasons for why an organization may fail to adopt a Logistics Information System. (4 marks)
- d. Identify and explain **three** areas Logistics Information Systems would improve logistics operations in an organization. (6 marks)
- e. Explain **three** ways effective Logistics Information System created a competitive advantage for the company. (6 marks)
- f. "The magic is not in the software. Information technology should not be the driver of re-engineering a logistic process." Justify this statement. (4 marks)
- g. Explain two ways information system in logistics management helps to achieve the basic goal of making successful connections between suppliers, consumers and competitors. (4 marks)

**Question two: 20 marks**

- a. Explain three main classifications of logistics technologies giving examples in each case. (9 marks)
- b. Explain how each of the **three** attributes of information quality would affect logistics activities. (6 marks)
- c. Briefly describe how a RFID technology works. (5 marks)

**Question three (20 marks)**

- a. Describe **two** functions of transaction processing systems in logistics. (4 marks)
- b. Explain **three** advantages of successful integration of information within an organization (6 marks)
- c. Describe an EDI as a logistics technology in terms of its;
  - (i) Potential benefits. (6 marks)
  - (ii) Potential drawbacks
- d. Explain **two** importance of evaluating a LIS project. (4 marks)

**Question four (20 marks)**

- a. Explain **two** techniques of forecasting that would be applicable in modeling a logistics information system. (4 marks)
- b. Explain **five** drawbacks to effective Logistics Information System implementation in an organization. (6 marks)
- c. Explain **five** ways Logistics Information systems support management functions in an organization. (10 marks)

**Question five (20 marks)**

- a. Describe simulation as a logistics modeling technique. (6 marks)
- b. Explain how benchmarking is used to evaluate an LIS project. (4 marks)
- c. Describe how you would Evaluate Logistics Information System in in an organization (10 marks)