



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
UNIVERSITY EXAMINATION 2014  
SEMESTER EXAMINATION FOR DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION  
BBA YEAR 2, SEMESTER 2  
KISII LEARNING CENTRE

COURSE CODE: SCS 214

TITLE: MANAGEMENT INFORMATION SYSTEMS

DATE:

DURATION: 2 HOURS

INSTRUCTIONS:

1. This paper contains FIVE (5) Questions
2. Candidates are advised not to write on the question paper
3. Answer Question 1 (Compulsory) and ANY other 2 Questions.
4. Write all answers in the booklet provided and hand it to the invigilator while in the examination room.

**QUESTION ONE (Compulsory 30 marks)**

- a. Define a system (2 marks)
- b. Explain four characteristics of systems (8 marks)
- c.
  - i. What is transaction processing? (2 marks)
  - ii. Explain three types of processing (6 marks)
- d. Differentiate the following data recovery methods (4 marks)
  - i. Backward and forward recovery
- e. State the two stages involved in batch processing (2 marks)
- f. List three components of a DSS architecture (3 marks)
- g. State three benefits of a decision support system (3 marks)

**QUESTION TWO**

- a. Differentiate the following systems (8 marks)
  - i. Open and closed systems
  - ii. Physical and abstract system
- b. Define an information system (2 marks)
- c. Explain the following terms as used in information system (8 marks)
  - i. Journal
  - ii. Transaction logs
  - iii. Database change logs
  - iv. Checkpoint
- d. Discuss two components of an executive information system (2 marks)

**QUESTION THREE**

- a. Explain a computer information system (2 marks)
- b. Explain four desirable features in a database system when used in transaction processing systems (8 marks)
- c. Outline the four software components of an executive information system (4 marks)
- d. Outline three characteristics of an Enterprise Resource Planning systems (4 marks)
- e. Explain a two tier enterprise resource planning (2 marks)

**QUESTION FOUR**

- a. List five components of a management information system (5 marks)
- b. Explain a database and using diagrams discuss three database models (11 marks)

- c. JOOUST university want to implement a university information management system, list four functions of such a system in the university (4 marks)

**QUESTION FIVE**

- a. Explain four features of a transaction processing system (10 marks)
- b. Outline three advantages and three disadvantages of the Executive information systems (6 marks)
- c. Explain office automation and state two advantages of office automation to an organization (4 marks)

