



(University of Choice)

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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR**

FOURTH YEAR SECOND SEMESTER REGULAR EXAMINATIONS

**FOR THE DEGREE
OF**

**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY/BACHELOR OF SCIENCE IN
INFORMATION SYSTEMS AND KNOWLEDGE MANAGEMENT/ BACHELOR OF SCIENCE
IN MATHEMATICS WITH IT, BACHELOR OF SCIENCE IN APPLIED STATISTICS WITH
IT / BACHELOR OF SCIENCE IN MATHS & ECONOMICS WITH IT**

COURSE CODE: BIT 411/BCS 411

COURSE TITLE: MANAGEMENT INFORMATION SYSTEMS

DATE: 05/12/2022

TIME: 08:00-10:00AM

INSTRUCTIONS TO CANDIDATES

Answer Question ONE and choose any other Two.

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 4 Printed Pages. Please Turn Over.

QUESTION ONE [30 MARKS] – COMPULSORY

a) With aid of examples, explain the following. [5marks]

- i. Information
- ii. Information System
- iii. Management.
- iv. Management Information System
- v. Strategic information systems

b) The architectural components of any Information Systems can be classified into Input, Processing and Output. Identify and explain each of these for a TPS. [6marks]

c) Discuss any four strategies that an organization can adopt in order to maintain a strategic competitive edge in the market. [8marks]

d) You have been tasked with developing a system for examination department in an institution. Review four system development methodologies you would recommend to use. [8marks]

e) Describe three difficulties of building and sustaining strategic information system [3 marks]

QUESTION TWO (20 MARKS)

- a) Different levels of management need different forms of information. Listing the three levels of management, discuss the types of information required. [6 marks]
- b) Discuss the typical activities that a MIS can handle with relation to human resource business function in an organization? [8marks]
- c) Explain three points why computer ethics is important to an organization. [6marks]

QUESTION THREE (20 MARKS)

- a) Security of information systems is based on: - Awareness principle, Ethics principle, and Reassessment principle among others. Discuss these [4marks]
- b) Critically assess any four powerful worldwide changes that have altered the business environment in Kenya [8 marks]

- c) Choose an organization of your choice, then discuss four ways in which information technology is being used to transform it. **[8 marks]**

QUESTION FOUR (20 MARKS)

- a) Explain why DSS is applicable to all levels of management in an organization? **[5marks]**
- b) Analyse characteristics of three main Decision-Making approaches supported by MIS **[6 Marks]**
- c) Explain why threats from internal employees pose serious problems to an information system **[3 marks]**
- d) Explain three principle goals of disaster recovery planning **[6 marks]**

QUESTION FIVE (20 MARKS)

- a) Explain four benefits of adopting information system to an organization **[6marks]**
- b) Identify any four tangible benefits of information systems to education institutions **[6 marks]**
- c) Explain four benefits of Enterprise Resource Planning (ERPs) in an organization **[8marks]**