



ZIMBABWE EZEKIEL GUTI UNIVERSITY

**FACULTY OF SCIENCE, TECHNOLOGY, AGRICULTURE AND FOOD
SYSTEMS DEVELOPMENT**

INFORMATION SYSTEMS DEPARTMENT

EXAMINATION PAPER

COURSE CODE : BIS413
COURSE TITLE : MANAGEMENT INFORMATION SYSTEMS
DURATION : 3 Hours
LEVEL : 1.1
DATE : 2024 12 APR 2024

INSTRUCTIONS TO CANDIDATES:

1. Answer **THREE** questions
2. Each question carries 25 Marks.

QUESTION 1

- a) As an Information Systems expert, suggest and explain any **five (5)** factors that you could consider when buying computers and related software in a large organisation like ZEGU
[10 marks]
- b) A sugar refinery company has tasked you as the IT manager to implement use of computers in all departments.
- i) In which departments would you initiate computerization and in what way. [8 marks]
- ii) What are the disadvantages of using computers in the company. [3 marks]
- iii) Explain the consequences of system failure in any of the departments. [4 marks]

QUESTION TWO

- a) Explain the components of an information system, and briefly describe the function of each component. [10marks]
- b) What are the different types of information systems commonly used in organizations? Provide examples for each type. [7 marks]
- c) Discuss the advantages and disadvantages of using cloud computing for storing and accessing organizational data. [8 marks]

QUESTION THREE

- a) Define information system security and its objectives. [3 marks]
- b) Discuss two strategies or technologies used to protect information systems against cyber threats. [6 marks]
- c) Why have there been so many recent incidents of data security breaches and loss of customer data by reputable companies? [8 marks]
- d) What security safeguards must companies have to deter electronic break-ins into their computer networks, business applications, and data resources [8 marks]

QUESTION 4

Individuals and organizations have become so dependent on Information technology systems that the consequences of failure could be catastrophic to the individual or the organization.

- a) Give two different examples of types of IT systems for which failure would be catastrophic.
[6 marks]
- b) Discuss the impact of emerging technologies such as artificial intelligence and the Internet of Things on information systems and their potential implications for organizations.
[9 marks]
- b) In each case explain why the failure would be catastrophic [10 marks]