



ZIMBABWE EZEKIEL GUTI UNIVERSITY

FACULTY OF SCIENCE, TECHNOLOGY, AGRICULTURE AND FOOD
SYSTEMS DEVELOPMENT

INFORMATION SYSTEMS DEPARTMENT

EXAMINATION PAPER

COURSE CODE : BIS111
COURSE TITLE : FOUNDATIONS OF INFORMATION SYSTEMS
DURATION : 3 Hours
LEVEL : 1.1
DATE : 2025

08 APR 2025

INSTRUCTIONS TO CANDIDATES:

1. Answer **ALL 4** questions
2. Each question carries **25** Marks.

QUESTION 1

- (a) Define three characteristics of organizational communication as opposed to everyday communication. [3 marks]
- (b) Name a methodology of system development, and provide an additional detail about it. [10 marks]
- (c) In relation to MIS, describe each of the following applications and evaluate their benefits.
- (i) Supply Chain Management System [6 marks]
- (ii) Customer Relationship Management [6 marks]

QUESTION 2

- (i) What are the five components that make up an information system? [4 marks]
- (ii) What are three examples of information system hardware? [2 marks]
- (iii) What is the definition of a business process? [3 marks]
- (iv) How does information security play a critical role in the design and implementation of an information system? [16 marks]

QUESTION 3

- (iii) What is an Information Systems? [4 marks]
- (ii) What do you understand by Enterprise Resource Planning (ERP) [5 marks]
- (i) How does the integration of artificial intelligence (AI) and machine learning (ML) technologies impact the capabilities and functionalities of information system? [16 marks]

QUESTION 4

- (i) In learning to use Information Systems there are new opportunities with technology. What are the four challenges which the business may face? [12 marks]
- (ii) Discuss the challenges and ethical considerations associated with information systems security and privacy in today's interconnected digital environment. [5 marks]
- (ii) What does the term "Information Systems Failure" mean? [4 marks]

(iii) Data is an important resource and asset to the firm and must be managed properly. What role does database management and data administration play in managing data?
[4 marks]

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