



ZIMBABWE EZEKIEL GUTI UNIVERSITY

FACULTY OF HEALTH, SCIENCE AND TECHNOLOGY

DEPARTMENT OF INFORMATION SYSTEMS

COURSE CODE : MIS101
COURSE TITLE : INTRODUCTION TO INFORMATION SYSTEMS
DURATION : 3 Hours
LEVEL : 1.1
DATE : 2022

11 FEB 2022

INSTRUCTIONS TO CANDIDATES

1. This paper has five questions and you are required to answer any four.
2. Number your answers accordingly.
3. You are required to answer questions clearly and logically, with headings and subheadings where necessary.
4. Neatness and orderliness is required.
5. Each question has 25 marks.

QUESTION 1

Explain the following security threats to information systems

- a. Cyberterrorism [3 Marks]
- b. Software vulnerabilities [3 Marks]
- c. Internal threat [3 Marks]
- a. Describe the listed types of information systems controls:
 - i. General controls [3 Marks]
 - ii. Application Controls [3 Marks]
- b. Enumerate the stages of the decision making process. [10 Marks]

QUESTION 2

Michael Porter in the 1980s developed the Value Chain

- (i) What is the value chain [5 marks]
- (ii) State and explain the primary activities [10 marks]
- (iii) State and explain the support activities [10 marks]

QUESTION 3

- a. Evaluate the role played by systems serving the various levels of management in a business and their relationship to each other. [9 Marks]
- b. Explain three characteristics of TPS and the role they play in business. [6 Marks]
- c. Explain how information systems/technology can be used to implement the five basic competitive strategies. [10 Marks]

QUESTION 4

- (i) The three levels of planning that is operational, tactical and strategic planning all require information systems. What kind of information systems may be used at each of these levels? [10 marks]
- (ii) Many owner managers have been known to resist technology. The organisation that employs you has been performing well but you feel it can do better if it takes advantage of services offered by the internet. Write a report to your manager explaining to him what facilities the internet offers for your particular business and the potential impact of the internet on the functioning of the business. [15 marks]

QUESTION 5

Using an industry of your choice, apply and use Michael Porter's competitive forces model to assess the industry [25 marks]