



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMERCE

DEPARTMENT OF ACCOUNTING

SUPPLEMENTARY EXAMINATION: SEPTEMBER 2013

INFORMATION SYSTEMS: CAC 2104

TIME ALLOWED: 3 HOURS

INSTRUCTIONS TO CANDIDATES

1. Answer any four (4) questions
2. Use the examination book provided
3. Use black or blue pen
4. Begin each question on a new page and
5. Submit all answer books used.

QUESTION 1 [25 MARKS]

Using a diagram, present a discussion on the different types of information systems that a financial institution of your choice may employ as you discuss the following aspects;

- a) Diagram, **[5]**
- b) The nature of tasks, **[5]**
- c) The level of decision support, **[5]**
- d) The level of input and output and **[5]**
- e) The level of sophistication of the system. **[5]**

QUESTION 2 [25 MARKS]

- i. Diagrammatically illustrate the transaction processing cycle. **[10]**
- ii. Using a retail organisation of your choice, discuss why an appreciation of the transaction processing cycle is of importance in the development of information systems. **[15]**

QUESTION 3 [25 MARKS]

What are the roles and functions covered in the information systems department.

QUESTION 4 [25 MARKS]

Discuss how Critical Success Factors are important in determining the information needs of organisations.

QUESTION 5 [25 MARKS]

- a) Graphically illustrate and discuss decision support systems. **[15]**
- b) Highlight ten (10) differences that you are aware of between decision support systems and management information systems. **[10]**

QUESTION 6 [25 MARKS]

What is the purpose of crafting an information strategy in an organisation? Is there any need for such strategies given that the organisation has an organisational strategy?

END OF QUESTION PAPER