



National University of Science and Technology

FACULTY OF COMMERCE

DEPARTMENT OF ACCOUNTING

SECOND SEMESTER 2012 EXAMINATION: MAY 2012

INFORMATION SYSTEMS: CAC 2104

TIME ALLOWED: THREE (3) HOURS

INSTRUCTIONS TO CANDIDATES

1. Answer any four (4) out of six (6) 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 ONE (25 MARKS)

- a) State any five (5) major advantages of Information Systems in organisations. **[5]**
- b) “Modern management functions that are information oriented can be supported by the different types of Information Systems.” Elaborate. **[20]**

QUESTION TWO (25 MARKS)

- a) Describe the software development process. **[15]**
- b) Discuss the latest technologies and tools for security and control of an organisation’s information **[10]**

QUESTION THREE (25 MARKS)

- a) Identify the security challenges that are faced by information systems managers that are working on wireless networks. **[5]**
- b) Explain how the following Critical Success Factors (CSF) can be supported by Information Systems:
 - i. Monitoring CSF **[5]**
 - ii. Building CSF **[5]**
- c) Design an Entity-Relationship Diagram that can be used to implement a database for a Student Records Management System. **[10]**

QUESTION FOUR (25 MARKS)

Identify and elaborate on the charge out models that you know which are used in Information Systems. **[25]**

QUESTION FIVE (25 MARKS)

- a) Describe a possible organogram for an Information Systems department. **[9]**

- b)** Evaluate the importance of Business Strategy in the formulation of Information Systems and Information Technology strategies. **[16]**

QUESTION SIX (25 MARKS)

- a)** Explain the fundamental objective of a Database Management System. **[5]**
- b)** How can Small & Medium Businesses use MIS to control e-commerce operations? **[8]**
- c)** Managers cannot ignore technology anymore and pass it off to secretaries or clerical workers or the Information Technology department because Information Systems are critical to the success of an organisation at all managerial levels. Elaborate. **[12]**

END OF EXAMINATION PAPER