



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMERCE

DEPARTMENT OF ACCOUNTING

SECOND SEMESTER EXAMINATION: JUNE 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]

You have been appointed as a managerial trainee officer in a financial institution. Your first task is to study three (3) organisations that the organisation is in business with. These organisations are in the following industries: mining (Minesootia), manufacturing (Manufactoria) and construction (Constitoa).

Required:

- a) Compare and contrast the two main types of systems that exist using the organisations identified above for illustration. **[10]**
- b) Using the concept of abstraction, clearly illustrate how the concept would apply to each of the three (3) organisations mentioned above. **[15]**

QUESTION 2 [25 MARKS]

ZOK Zimbabwe is a retail organisation operating in the fast moving consumer goods market in Zimbabwe. The organisation has a number of branches across the country which are interconnected via an integrated information system.

Required

Discuss how each managerial level of ZOK Zimbabwe is serviced by the information system in place. **[25]**

QUESTION 3 [25 MARKS]

- a) Explain how the information systems employed by an organisation are affected by strategic planning activities of the organisation. Include the impact of critical success factors in your answer. **[10]**
- b) Discuss how Porter's Five Forces Model influences the information systems approach adopted by organisations. **[15]**

QUESTION 4 [25 MARKS]

- a) Compare and contrast file management systems and database systems using examples from the practical aspects of the information systems course that you carried out. **[10]**

- b) How do database management systems assist in the manner in which information is captured, processed, stored and utilised in an organisation.

[15]

QUESTIONS 5 [25 MARKS]

Discuss the effect of the advent of mobile banking services and online transacting on the Zimbabwean business environment from an information systems perspective on:

- a) Consumers **[5]**
- b) Organisations accepting such payment methods **[5]**
- c) Providers of mobile and online payment systems **[5]**
- d) Tax authorities **[5]**
- e) Other players in the economy **[5]**

QUESTION 6 [25 MARKS]

- a) Compare and contrast any two systems development methodologies. **[10]**
- b) The appreciation of the information requirements of an organisation are critical in the development of an applicable system for the organisation. Discuss the approaches that may be employed to gather input on the system requirements for a system to be employed by a multinational bank (Multi-Bank) which operates on five (5) continents of the world. **[15]**

END OF QUESTION PAPER