



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2013/2014

INSTITUTION BASED PROGRAMME (AUGUST 2013 SESSION)

EXAMINATION FOR THE DEGREE OF MASTER OF BUSINESS ADMINISTRATION

BMS 501: MANAGEMENT INFORMATION SYSTEM

DATE: Thursday 2nd January, 2014

TIME: 9.00 a.m. – 12.00 p.m.

INSTRUCTIONS

1. **Question 1 is COMPULSORY and carries 40 marks**
2. **Answer Question 1 and any other THREE questions.**
3. **Label clearly each answer you have written down.**

Question 1

During the past decade there has been an exponential growth in the use of information communication technology (ICT) which has made pervasive impacts both on society and on our daily lives. It is thus not surprising to find increasing interest, attention and investment being put into the use of ICT in education all over the world. In addition to efforts to employ ICT to improve learning, the emergence of the knowledge economy has also brought about a much greater emphasis on education. A number of master plans on ICT in education has been produced in many countries. Such plans reveal that educational innovations in ICT have been increasingly embedded within a broader framework of education reforms that aimed to develop students' capacities as well as the ability to communicate, collaborate and learn, abilities that figured much less importantly in previous school curricula.

- a) Distinguish the terms Information Systems from Information and Communication Technology.
[4 marks]
- b) Discuss the various applications that can be supported by an Information Systems in an educational environment.
[9 marks]

- c) Explain the managerial implications of the statement, *“It is thus not surprising to find increasing interest, attention and investment being put into the use of ICT in education all over the world.”* [10 marks]
- d) Explore the capabilities according to the statement portion... *“a broader framework of education reforms that aimed to develop students’ capacities.”* [10 marks]
- e) Describe the importance of collaboration among the academic institutions. [7 marks]

Question 2

- a) There has been rapid evolution of technology which has necessitated a change of approach to corporate technology management. Identify areas in an organization that has been supported by use of Information Systems. [8 marks]
- b) Implementation of Information Systems involves stakeholders and issues of management. Justify this statement with respect to use of Computers in Kenyan Schools. [12 marks]

Question 3

- a) The decision making is basically a methodical process that involves a number of steps. [8 marks]
- b) As a candidate who has studied the Management Information Systems and their applications in organizations. Describe the appropriate information systems that can be used in different management levels. [12 marks]

Question 4

- a) Management functions can adequately be supported by use of Management Information System
 - i) Suggest ways in which an Expert System can be used in an organization. [5 marks]
 - ii) Explain the demerits associated with an Expert System. [5 marks]
- b) Explore the concept of Data Warehouses and Data Mining as applied in the management information systems. [10 marks]

Question 5

- a) Despite the fact that there has been increased efforts by organizations to harness the benefits of Information Systems; Security is not simply a technology issue, but also a business issue. Discuss. [10 marks]
- b) Describe how the MIS auditing can promote control of the various Ethical Issues associated with the use of Information Systems. [10 marks]