

**KENYA METHODIST UNIVERSITY
SECOND TRIMESTER EXAMINATION, APRIL 2007**

**DEPARTMENT : MATHEMATICS AND COMPUTER SCIENCE
COURSE CODE : Cisy 446/ DCIS 242
COURSE TITLE : MANAGEMENT INFORMATION SYSTEMS
TIME : 2 HOURS**

Instructions:

Answer ALL questions in Section A and any other TWO questions in Section B.

Section A

Question One (30 Marks)

- a. Define the following terms:
 - i. Information system
 - ii. Data mart
 - iii. E-commerce (3 Marks)
- b. Describe any three database models. (3 Marks)
- c. List the five functions of a manager according to Henri Fayol. (3 Marks)
- d. List any six threats that can affect information systems. (3 Marks)
- e. Describe two types of security controls. (6 Marks)
- f. Discuss the seven basic activities in system development. (7 Marks)
- g. Discuss how CRM systems have helped organizations today. (5 Marks)

Section B

Question One (20 Marks)

- a. Discuss the elements of the strategic cube. (15 Marks)
- b. Describe any five characteristics of information. (5 Marks)

Question Two (20 Marks)

- a. Discuss the two major theories of how information systems affect organizations. (10 Marks)
- b. With the help of a well-labeled diagram, discuss the five moral dimensions of the information age. (10 Marks)

Question Three (20 Marks)

- a. Describe the stages of the decision-making process. (5 Marks)
- b. Discuss the following:
 - i. Business process reengineering
 - ii. Supply chain management.
 - iii. Components and functions of telecommunications system. (15 Marks)