THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Engineering & Technology

DEPARTMENT COMPUTER SCIENCE & INFORMATION TECHNOLOGY

BACHELOR OF BUSINESS ADMINISTRATION

HBC 2124: INFORMATION SYSTEMS ANALYSIS & DESIGN (ISAD)

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: FEBRUARY/MARCH 2012
TIME: 2 HOURS

<u>**Instructions to Candidates:**</u>
You should have the following for this examination
- *Answer Booklet*

This paper consist of **FIVE** questions in **TWO** sections **A** & **B**
Answer question **ONE (COMPULSORY)** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages

<u>SECTION A (COMPULSORY)</u>

QUESTION ONE (30 MARKS)

a) Define the following terms:
     i)   Information
     ii)   Management
     iii)   System   (6 marks)

b) Distinguish between the following:
     i)   Strategic information
     ii)   Tactical information
     iii)   Operational information   (6 marks)

c) State THREE characteristics of data   (3 marks)

d) Explain the following terms
     i)   Systems implementation
     ii)   Systems maintenance
     iii)   Systems security   (6 marks)

e) State any FOUR strategies for changeover to a new system   (4 marks)

f) State any FIVE security threats to information systems   (5 marks)

SECTION B (Answer any two questions)

QUESTION TWO

a) Explain the term 'value of information'   (6 marks)

b) Explain the qualities of 'good information'   (8 marks)

c) State any SIX criteria for classifying information   (6 marks)

QUESTION THREE

a) Explain the THREE types of decisions in the organization   (6 marks)

b) Describe the process of decision making in the organization   (14 marks)

QUESTION FOUR

a) Define the term 'information system'   (2 marks)

b) Explain the components of information systems   (12 marks)

c) Explain any THREE functions of information systems in the organization   (6 marks)

QUESTION FIVE

a) Explain the term 'management information systems'   (2 marks)

b) Explain FOUR types of information produced by management information systems   (8 marks)

c) Explain how management information systems support decision making in the organization
          (10 marks)