THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Business & Social Studies

DEPARTMENT MEDIA & GRAPHICS

ICT

END OF SEMESTER EXAMINATIONS

SERIES: DECEMBER 2011

TIME: 2 HOURS

Instructions to Candidates:
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

SECTION A (COMPULSORY)

Question One (40 marks)

a) List and describe the major input devices.   (7 Marks)

b) List and describe the major output devices.   (7 Marks)

c) What is multimedia? What technologies are involved?   (5 Marks)

d) A software engineer requires a range of software utilities. Explain the usefulness of any three
such utilities.   (6 marks)

e) Explain Seven System tools services which supports the Computer Hardware. Give example
where necessary.   (7mark)

f) What are the four different types of semiconductor memory and where are they used?
                                                                                   (8marks)

SECTION B (ANSWER ANY TWO QUESTIONS)

Question Two (15 marks)

a) What are the major types of software? How do they differ in terms of users and uses?
                                                                                   (4 marks)
b) Name the major components of a computer and the function of each.   (6 Marks)

c) Differentiate between data and information.   (2 marks)

d)   Discuss how virtual memory concept is implemented indicating its key objective.   (3 marks)

Question Three (15 marks)

a) Identify the main components of a Local Area Network (LAN)   (3 Marks)

b) Briefly define a star network and discuss its advantages and disadvantages.   (6 Marks)

c) Name the disadvantages associated with outsourcing of information technology services.

d) List the most important secondary storage media. What are the strengths and limitations of each?
                                                                                   (6 Marks)
Question Four (15 marks)

(a) Define the term e-commerce   (3 Marks)

(b) List and describe the main forms of e-commerce   (6 Marks)

(c) Discuss the main advantages and disadvantages of e-commerce   (6 Marks)