THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

Faculty of Engineering and Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION TECHNOLOGY – DIT 2K 10J

ECS 2210: SYSTEM ANALYSIS AND DESIGN IV

END OF SEMESTER EXAMINATIONS

SERIES: AUGUST/SEPTEMBER 2011

TIME: 2 HOURS

Instructions to Candidates:
This paper consist of **TWO** sections **A** and **B**
Answer question **ONE (COMPULSORY)** and any other **TWO** questions from the list of questions below
This paper consists of **TWO** printed pages
SECTION A COMPULSORY (30 MARKS)

Question 1

a) Define the following terms (4 marks)
   (i)   System
   (ii) System design

b) Explain the activities involved in detailed design of an information system (20 marks)

c) State any **SIX** examples of system controls (6 marks)

SECTION B (ANSWER ANY TWO QUESTIONS)

*This section consists of **FOUR** questions 20 marks each.*
Choose any two questions

Question 2 (20 marks)

a) Define the term software quality (2 marks)

b) Explain the qualities expected of a well designed system (18 marks)

Question 3 (20 marks)

a) Define the term system documentation (2 marks)

b) Explain the qualities of good documentation (8 marks)

c) Explain the advantages of documentation (10 marks)

Question 4 (20 marks)

a) Define the term "system changeover" (2 marks)

b) Explain the different methods of changeover giving one advantage and **ONE** disadvantage for each (18 marks)

Question 5 (20 marks)

a) Explain the term "system control" (2 marks)

b) Explain the objectives of controls in a system (14 marks)

c) Explain any **TWO** types of information systems in an organization (4 marks)