THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Engineering & Technology

DEPARTMENT COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY - **DICT 2K9J/DICT 9M**

EIT 2308: NETWORKS II

END OF SEMESTER EXAMINATIONS

SERIES: DECEMBER 2011

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

QUESTION 1 (30 MARKS)

a.   i.   Define a wireless network   (2 Marks)

      ii.   Explain **two** advantages of Wireless networks   (4 Marks)

b.   Briefly describe any **three** wireless network standards in terms of speed, frequency and range.   (6 Marks)

c.   Write short notes on the following terms as used in wireless networks.

      i.   Wave and Frequencies

      ii.   Wavelength and antennas   (10 Marks)

d.   Differentiate between an infrastructure mode wireless network and an ad-hoc mode wireless network.   (4 Marks)

e.   Explain **two** functions of a Wireless Access Point   (4 Marks)

SECTION B (ANSWER ANY TWO QUESTIONS)

QUESTION TWO (20 Marks)

a.   Explain any **three** types of wireless network adaptors   (6 Marks)

b.   In detail, define an access point   (4 Marks)

c.   With the use of a diagram, explain the infrastructure mode of wireless network.   (5 Marks)

QUESTION THREE (20 Marks)

a.   Explain any **four** wireless network threats.   (8 Marks)

b.   Differentiate between WEP and WPA wireless security measures   (4 Marks)

c.   Which of the **two** above is more secure? Explain why?   (3 Marks)

QUESTION FOUR (20 Marks)

a.   Define a hotspot   (2 Marks)

b.   Explain **three** ways of trouble shooting wireless networks   (9 Marks)

c.   Explain a Rogue Access Points   (4 Marks)

QUESTION FIVE (20 Marks)

a.   Briefly describe how to configure an Access Point.   (6 Marks)

b.   Briefly explain how you would Configure Windows XP for Wireless Networking.   (5 Marks)

c.   Differentiate between a Wardrivers and Warchalkers.   (4 Marks)