



# 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**

## **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 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)