



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Engineering & Technology

DEPARTMENT COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION & COMMUNICATION TECHNOLOGY

DICT2K9J/DICT9M

ECT 2308: NETWORKS II

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: FEBRUARY/MARCH 2012

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

- 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

- 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

- a. Explain any **four** wireless network threats. (8 Marks)
- b. Differentiate between WEP and WAP wireless security measures (4 Marks)
- c. Which of the **two** above is more secure? Explain why? (3 Marks)

Question Four

- 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

- 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)