



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

**DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY
(DICT 10M)**

EIT 2301: NETWORKS II

END OF SEMESTER EXAMINATION

SERIES: AUGUST 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 (20 marks)

- a) Define the following terms: **(10 marks)**
- i) Networking
 - ii) Network planning
 - iii) Wide area network
 - iv) Topology
 - v) Internet
- b) Explain the factors that make a company wish to install a network. **(6 marks)**
- c) Enumerate the steps followed to map a network drive. **(4 marks)**

SECTION B (Answer Any Two Questions)

Question Two (20 marks)

- a) Explain the following commands as used in networking. **(5 marks)**
- i) Ping
 - ii) Arp
 - iii) Hostname
 - iv) Ipconfig
 - v) Netstat
- b) State the steps to map network drives. **(4 marks)**
- c) Write what information you need to know about each of your computers is a network. **(11 marks)**

Question Three (20 marks)

- a) Explain the step by step how to install a Network Interface Card. **(8 marks)**
- b) List the advantages of using a dedicated server on a network. **(6 marks)**
- c) Enumerate the steps followed in installing a network printer. **(6 marks)**

Question Four (20 marks)

Explain any **FIVE** types of servers found in a network. **(20 marks)**

Question Five (20 marks)

- a) Microsoft Visio is a useful software for network planning. Discuss. **(8 marks)**
- b) Explain the roles of a Network Administrator. **(12 marks)**