



**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)**