



# THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

*Faculty of Engineering & Technology*

DEPARTMENT COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN COMPUTER NETWORK & NETWORK TECHNOLOGY  
(CMNT 2K 11M)

**ECT 1107: NETWORK MANAGEMENT**

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 **THREE** printed pages

**SECTION A - COMPULSORY (30 marks)**

**QUESTION ONE**

- a) (i) Define network management (2marks)
- (ii) Name two tools that can be used for network management (2 marks)
  
- b) List **four** major advantages of server-based networking (4 marks)
  
- c) (i) Give examples of four types of servers (4 marks)
- (ii) Explain the functions of each of the servers named in (i) (4 marks)
  
- d) (i) Name the four versions of windows server 2003 (4 marks)
- (ii) Explain in details how each of the above named (i) versions of windows server 2003 differ from each other. (4 marks)
  
- e) Distinguish between client and server computers (2 marks)
  
- f) Complete the table below (4 marks)

Permission	Abbreviation	Description
Read	R	The user can open and read the file
Execute	.....?	.....?
change	.....?	.....?
Take ownership	.....?	.....?
Write	.....?	.....?

**SECTION B (Answer any TWO questions)**

**QUESTION 2 (15 marks)**

- a) Distinguish between Network operating system and Desktop Operating system (2 marks)
  
- b) Explain in details the following features of network operating system
  - i) Network Support (2 marks)
  - ii) Security services (2 marks)
  - iii) Directory services (2 marks)
  - iv) Multitasking (2 marks)
  
- c) Compare and contrast between Windows NT 4 and Windows Server 2000 (5 marks)

**QUESTION 3 (15 marks)**

- a) List **THREE** pre-requisite of network planning (3 marks)
  
- b) What are the eight elements you need to consider in stock taking for network planning? (12 marks)

**QUESTION 4 (15 marks)**

- a) List the **three** basic user accounts as the first step forward to enhance windows security measures (3 marks)
- b) Distinguish between users Rights and Permission (2 mark)
- c) Name the **two** elements of MS windows that are governed by settings in the user profile (4 marks)
- d) Explain **six** examples of the MS windows Server possible user Rights (6marks)

**QUESTION 5 (15 marks)**

- a) Explain the **five** steps to be taken in final preparation before installing Network Operating System e.g MS Windows Server (5 marks)
- b) Describe **six** basic decisions while installing a network operating System (6 marks)
- c) Distinguish between Automated and Remote installations. (4 marks)