



TECHNICAL UNIVERSITY OF MOMBASA

INSTITUTE OF COMPUTING AND INFORMATICS

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION
TECHNOLOGY

UNIVERSITY EXAMINATION FOR:
DICT

EIT 2207: NETWORK DESIGN & IMPLEMENTATION (PAPER2):

Type unit name.

END OF SEMESTER EXAMINATION

SERIES: Select series 2016

TIME: 2 HOURS

DATE: Pick Date Select Month Pick Year

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of Choose No questions. Attempt Choose instruction.

Do not write on the question paper.

Question ONE (compulsory)

- a) Describe 5 roles Network administrator (5mks)
- b) State 3 disadvantages of Client-server computing (3mks)
- c) State 5 goals of Network design (5mks)
- d) Define the following terminologies
 - i) Bus and Tree topologies
 - ii) TCP/IP
 - iii) Intranet (6mks)
- e) Define a network (1mk)

Question TWO

a) Define the roles of the following servers

- i) File server
- ii) Web server(intranet)
- iii) Mail server (9mks)

b) How would you install, use and configure email software (5mks)

c) Explain the following terminologies

- i) Workgroups
- ii) Domains
- iii) User Accounts (6mks)

Question THREE

a) Draw and explain the network design and implementation cycle (20mks)

Question FOUR

a) Windows Server 2003 provides three types of user accounts. State and explain the three. (9mks)

b) Define the following network protocol explaining their functions

- i) HTTP
- ii) FTP
- iii) POP
- iv) DNS
- v) DHCP (10mks)

c) Define a router (1mk)

Question FIVE

a) Define the following monitoring system services

- i) Performance monitor
- ii) Task Manager
- iii) Systems Bottlenecks
- iv) Optimizing server
- v) Tracking performance (10mks)

b) State the procedure of how to create a computer account (10mks)