



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR:

BTIT/SEP 2014/J-FT

EIT 4409: NETWORK OPERATING SYSTEM

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: SEPTEMBER 2018

TIME: 2 HOURS

DATE: Sep 2018

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FOUR** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

Question ONE (30 Marks)

- (a) What is a directory, distinguish it from a file (2 marks)
- (b) Explain the TWO file access methods in Network operating system (4 marks)
- (c) Distinguish between a file system and a file manager (4 marks)
- (d) Differentiate between a file system and an operating system (4 marks)
- (e) Explain why a client server network would be preferred over a peer to peer network (6 marks)
- (f) What are the TWO ways of assigning IP addresses, Explain (5 marks)
- (g) Describe the structure of an IP address (5 marks)

Question TWO (20 Marks)

- (a) Give a brief discussion on the following topics as used in Network operating system
 - Peer to peer network
 - Client -server network(8 marks)
- (b) State THREE advantages and TWO disadvantages of peer to peer network (5 marks)
- (c) What is a file system? (2 marks)
- (d) Explain any TWO types of file systems with an example (5 marks)

Question THREE (20 Marks)

- (a) Most modern operating systems provide a file system, as a file system is an important part of modern operating system. Comment (5 marks)
- (b) State five contents of a directory (5 marks)
- (c) Explain the two ways we can view files in network operating systems (5 marks)
- (d) Make a distinction between a disk file system and a flash file system (5 marks)

Question FOUR (20 Marks)

- (a) What factors will you consider before choosing a NOS, Explain any THREE factors (6 marks)
- (b) With an example for each, explain the TWO types of Network operating system (4 marks)
- (c) Explain FOUR characteristics of a Network operating system (8 marks)
- (d) Write down the format of an IP address (2 marks)

Question FIVE (20 Marks)

- a) Explain how to create a new user in ANY Windows Server NOS (10 marks)
- b) Explain how to create a domain in windows server 2008. (10 marks)