



NATIONAL OPEN UNIVERSITY OF NIGERIA

PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESS WAY, JABI, ABUJA

FACULTY OF SCIENCES

2021_2 EXAMINATION⁴⁵⁶⁷⁸

COURSE CODE: CIT832

COURSE TITLE: INTRODUCTION TO OPERATING SYSTEM AND NETWORKING
MANAGEMENT

CREDIT: 2 UNITS

TIME ALLOWED: 2HOURS

INSTRUCTION: ANSWER QUESTION ONE (1) AND ANY OTHER THREE (3)

Question 1

- (a). Explain the functions of the following Linux commands
 - (i). cmp (1mark)
 - (ii). diff (1mark)
 - (iii). wc (1mark)
 - (iv). sort (1mark)
- (b). Identify any five (5) objects of a Kernel (5 marks)
- (c). Describe cryptographic algorithm (3 marks)
- d (i). Explain two (2) advantages of a Mesh topology (3marks)
 - (ii) Identify the number of ports expected of every nod in a mesh topology (2marks)
- (e). Identify and summarize the functionality of any four Modem types (4 marks)
- (f). Explain any two (2) features of Modem (4 marks)

Question 2

- a(i) Describe TCP/IP Protocol (3marks)
 - (ii) Outline the steps for accessing TCP/IP properties (4marks)
- (b). Explain any four possible options when working offline in Windows XP (8marks)

Question 3

- (a). identify the steps in configuring an Administrator's account (7marks)
- (b). Describe the followings:
 - (i) Virus (2marks)
 - (ii) Worm (3marks)
 - (iii) Trojan Horses (3marks)

Question 4

- (a). Write short note on the following:
 - (i). FTP (2.5marks)
 - (ii). NFS (2.5marks)
 - (iii). SMTP (2.5marks)
 - (iv). ICMP (2.5marks)
- (b). Differentiate between a Unicast and a Multicast form of communication (5marks)

Question 5

- (a). Identify any four (4) positive impacts of operating system in memory management (6marks)
- (b). summarize briefly the following:
 - (i). Object Manager (2marks)
 - (ii). I/O Manager (3marks)
 - (iii). Security Manager (2marks)
 - (iv). Cache Manager (2marks)