



NATIONAL OPEN UNIVERSITY OF NIGERIA

University Village, Plot 91, Cadastral Zone,
Nnamdi Azikiwe Expressway, Jabi, Abuja

FACULTY OF SCIENCES
JANUARY 2021 EXAMINATIONS ...

COURSE CODE: CIT832

COURSE TITLE: INTRODUCTION TO OPERATING SYSTEMS AND NETWORKING
MANAGEMENT

CREDIT UNIT: 2 Units

TIME ALLOWED: Two hours

INSTRUCTION: Answer Question (1) one and any other three (3) Questions

QUESTION ONE

(a) Compared to a randomly placed screen, a well-designed screen can reduce the time needed to perform a task by as much as 40%. Analyse the five ways to conserve screen space. *(5marks)*

(b) The evolution of operating system can be divided into three, defend this statement *(5marks)*

(c) Imagine that you are configuring network interface to IP address 144.19.74.102, subnet mask 255.255.0.0, and directed broadcast address 144.19.255.255 state the steps to follow in Unix and Windows NT *(5marks)*

(d) Explain the following Linux command: wc, diff, cmp, tail and cat *(5marks)*

(e) What is a Virtual machine? Highlight four advantages of virtual machine *(5marks)*

QUESTION TWO

(a) Justify Multithreading and illustrate the two distinctions of multithreading *(10marks)*

(b) Outline five advantages of computer network *(5marks)*

QUESTION THREE

(a) Appraise five types of network topology *(5marks)*

(b) Enumerate the seven layers of the OSI reference model *(5marks)*

(c) Summarize what you understand by computer network *(5marks)*

QUESTION FOUR

(a) Categorize four features of Linux *(10marks)*

(b) Highlight three draw backs of Linux *(5marks)*

QUESTION FIVE

(a) Differentiate between Computer security and network security *(5marks)*

(b) Computer security has three main goals, discuss *(5marks)*

(c) What is Firewall? *(5marks)*