NATIONAL OPEN UNVERSITY OF NIGERIA
University Village, Plot 91, Cadastral Zone,
Nnamdi Azikiwe Expressway, Jabi, Abuja

FACULTY OF SCIENCES
JANUARY 2021 EXAMINATIONS L2M

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)*