



NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, Plot 91, Cadastral Zone, Nnamdi Azikiwe Express
Way, Jabi, Abuja

FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
JULY 2017 EXAMINATION

Course Code: CIT 832

Course Title: INTRODUCTION TO OPERATING SYSTEMS AND
NETWORKING MANAGEMENT

Instruction: Answer Question 1 and Any other 3 Questions

Time Allowed: 2 Hours
Course Unit: 2

- 1a. List six basic issues in the design of a traditional operating system. 6 marks
- b. Explain what is meant by a network operating system. 5 marks
- c. List three capabilities of a network operating system. 6 ½ marks
- d. State four primary advantages of distributed systems. 8 marks

2. Describe four major components of the development environment for most Graphical User Interfaces. 15 marks

3. Briefly explain five benefits of Windows. 15 marks

- 4a. What is meant by mesh topology? 4 marks
- b. State three advantages and three disadvantages of mesh topology. 9 marks
- c. What are the two primarily architectural models for designing computer networks? 2 marks

- 5a. Describe briefly the two categories into which the seven layers of the OSI reference model can be divided. 6 marks
- b. What is meant by a communication network? 3 marks
- c. Outline the three aspects of communication. 6 marks
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- 6a. Define dataflow. 4 marks
- b. Explain the three types of dataflow. 6 marks
- c. List five components or devices that are employed to connect two or more networks together. 5 marks