



**NATIONAL OPEN UNIVERSITY OF
NIGERIA**
14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
MARCH/APRIL 2014 EXAMINATION

COURSE CODE: CIT 832

**COURSE TITLE: INTRODUCTION TO OPERATING SYSTEMS AND
NETWORKING MANAGEMENT**

TIME ALLOWED: 2 ½ Hours

INSTRUCTION: Answer Any Four Questions

1. List and briefly explain four components of the development environment for most Graphical User Interfaces.
17 ½ marks

2a. Briefly explain what is meant by an operating system.
5 ½ marks

b. Explain what is meant by kernel and state four of its functions.
12 marks

3a. Outline three aspects of communication defined by a protocol.
9 marks

b. List four key areas that characterize a local area network. 4 marks

c. List three most common LAN topologies. 4 ½ marks

4a. Explain what is meant by network topology and list five basic ones.
8 marks

b. Outline two main hybrid topologies. 9 ½ marks

5a. Outline the DNS concept. 4 ½ marks

b. State four DNS design goals. 8 marks

- c. Explain the fundamental property of the DNS. 5 marks
- 6a. Outline three qualities to authenticate a user in a computer system. 10 ½ marks
- b. List two types of access control that can be implemented for a computer system. 6 marks