Course code: CIT 723
Course title: Operating systems design and programming
Credit unit: 3 credit units
Time: $2\frac{1}{2}$ hours
Instruction: Answer any five (5) questions. Each question carries 14 marks

1. (a)List the four broad categories of an operating systems
        (4marks)
   (b)State three qualities of an operating system in terms of **FACILITIES**
            (6 marks)
(C)List four Basic functions of an operating system   (4 marks)

2. (a) Define the term Network architecture   (2 marks)
    (b) List and describe any six layers of the OSI reference model
            (12marks)

3. (a) Define the term Graphic user interface
        (2 Marks)
   (b) List and describe the functions of six basic Start Menu options
        (12 marks)

4. (a) What is a peer-to-peer network   (2 marks)
   (b) State four Disadvantages of peer-to-peer networking
        (4 marks)
   (C) State four benefits of networking   (8 marks)

5.(a) List and describe 5 popular transport protocols
        (10 marks)
(b) List four main protocols used by NetWare   (4 marks)

6.(a) What is the difference between SINGLE NETWORK ADAPTER(UNICAST)and SINGLE NETWORK
ADAPTER (MULTICAST)model which are used for configuring Network load Balancing
        (6marks)

(b) State four advantages of using MULTIPLE NETWORK ADAPTERS (UNICAST)
    (4 marks)
(c) State four advantages of LINUX   (4
marks)

7.(a) What do u understand by system security
    (4 marks)
(b)What are the five consequences of security violation
    (10 marks)