NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, NnamdiAzikiwe Express Way, Jabi - Abuja

FACULTY OF MANAGEMENT SCIENCES
JULY EXAMINATION 2017

COURSE CODE: **MBA 813**   **CREDIT UNIT: 3**

COURSE TITLE: **INFORMATION AND TELECOMMUNICATIONS TECHNOLOGY**
TIME ALLOWED: 2 ½ hrs

INSTRUCTIONS: **1. Attempt question number one (1) and any other (3) questions.**

              2. Question number 1 carries 25 marks, while the other questions carry 15 marks each.

              3. Present all your points in coherent and orderly manner

1. a (i) Discuss briefly four main factors that determine Information usefulness.

 a (ii) List four basic ways by which ICT can facilitate development process.

 b (i) Discuss briefly ways E-Commerce is revolutionizing efficiency and

 the culture of business in developing countries

 b (ii) Mention five basic characteristic of good information.

 (c) Discuss briefly the extents to which computer are essential in processing.

2. (a) Define computer network.

 (b) Distinguish between client-server Network and Peer –to-peer Network.

 (b) List five basic objectives of establishing a network.

3. a (i) Enumerate five basic functions of any database management system DBMS.

 a (ii) List the five mainstream database program.

 (b) Discuss briefly UNIX operating system highlighting its major advantages and

disadvantages.

4. (a) Distinguish between Internet and Extranet.

   (b) Enumerate five basic benefits associated with the use of the Internet.

   (c) Write short note on ISPs

5. (a) Define network security.

   b   Explain briefly each of the following techniques of creating secure systems:
   - Cryptography
   - Firewall
   - Encryption
   - Social engineering

6. (a)   Discuss briefly how to guard against software piracy in organization.

   (b)   Discuss briefly four health challenges of prolong exposure to IT systems highlighting ways of mitigation.