NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16, AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF MANAGEMENT SCIENCES
JUNE/JULY, 2013 EXAMINATIONS

COURSE CODE: MBA822   CREDIT UNITS : 3
COURSE TITLE: INFORMATION AND COMMUNICATION TECHNOLOGY
TIME ALLOWED: 3HRS

INSTRUCTIONS: 1. Attempt question number one (1) and any other three (3).
2. Question number 1 is compulsory and carries 25 marks while the other 3 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.
           (ii) Enumerate five basic characteristics of good information.
      (b) (i) Discuss briefly roles which ICTs can play to attract private portfolio.
           (ii) List four basic ways by which ICT can facilitate development process.
(c)   (i) Discuss briefly ways E-Commerce is revolutionizing efficiency and the culture of business in developing countries.
      (ii) Mention five characteristics of a computer.

2.   (a) (i) Define computer network topology.
           (ii) Enumerate five factors that influence the choice of computer network topology.
           (iii) List three commonly used network topologies.
      (b) (i) What are VANs?
           (ii) What services can VANs provide?

      (c) List four most common communication media.

3.   (a) Differentiate between Internet, Intranet and Extranet.
      (b) Enumerate five basic benefits associated with the use of the Internet.
      (c) List the basic requirements for connecting to the Internet.
      (d) Write short note on ISPs.

4.(a) (i) Describe briefly the architecture of a GSM network.
      (ii) Give the functions of the Base Transceiver Station.
      (b) (i) Enumerate four basic functions of any database management system DBMS.
      (ii) List the keys used by DBMS to produce sorted data.

      (c) Enumerate five basic functions of operating systems.

5.   (a) (i) Define network security.
           (ii) Mention five computer security measures.
      (b) List five categories of "attacks" on a computer network.
      (c) Discuss briefly the difficulties that could be encountered when attempting to response to security breaches.

6.   (a) Enumerate four health challenges which interaction between users and IT gadgets can result to.

      (b) Discuss briefly strategies to protect software piracy.

      (c) Write short note on Structured Query Language (SQL).