NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16, Ahmadu Bello Way, Victoria Island

SCHOOL OF SCIENCE AND TECHNOLOGY
October, 2013 Examination

Course Code: CIT 722   **Time Allowed: 3 Hours**

Course Title: COMPUTER NETWORKS

Instruction: Answer Any Five Questions

1. (a) List and explain types of networks?   10 marks
   (b) What protocol is used by DNS name servers?   4 marks

2. (a) What do you understand by network topology?   4 marks
   (b) What is Multiplexing?   4 marks
   (c) Name the three categories of Multiplexing   3 marks
   (d) What is Round Trip Time?   3 marks

3. (a) What isProtocol.   2 marks
   (b) Explain the key elements of a protocol.   9 marks
   (c) What is the advantage of token passing protocol over CSMA/CD protocol?   3 marks

4. (a) Explain IP addressing   6 marks
   (b) List the two IP addressing schemes   4 marks
   (c) What is addressing designed to achieve?   4 marks

5. (a) List the layers of OSI   4 marks
   (b) Which layers are network support layers?   3 marks
   (c) What are the two types of transmission technology available?   2 marks

(d)Define subnet?   **2 marks**

  (e)Differentiate between communication and transmission? **3 marks**

6. **(a)State the possible ways of data exchange.** **3 marks**
   (b)Distinguish between NETBIOS and NETBEUI. **5 marks**
   (c)What is MAC address?   **3 marks**
   (d)Differentiate between bit rate and baud rate. **3 marks**

7. **Briefly discuss four different types of networking / internetworking devices** **14 marks**