MULTIMEDIA UNIVERSITY COLLEGE
FACULTY OF ENGINEERING
ELECTRICAL AND COMMUNICATION ENGINEERING DEPARTMENT
BSc.TIE
Year II
ETI 2301: COMPUTER NETWORKS.
CAT I.
DATE: 16-11-2012
TIME: 1 Hour.

Question

a. List any **THREE** functions of the following layers of the OSI model
    i.   Transport;
    ii. Data link.

(6 marks)

b. i.   Explain the difference between a connection oriented protocol and a connection-less protocol.
    ii. Explain the need for communication standards with respect to computer networks.

(3 marks)

c. A given host IP address is 17.110.25.6 and subnet mask is 255.224.0.0. Determine the:
    i.   Last host address of the major network;
    ii. subnet address for the given host IP address;
    i.   Range of host addresses for this subnet;
    ii. Broadcast address for this subnet;

(6 marks)

END