Q.1 (5x4=20)
(a) Differentiate Star and Mesh topology in detail.
(b) What do you mean by Information System? Explain the various components of information system.
(c) Write a short note on private network.
(d) Write a short note on IP address.

SECTION-A
Q.2 What is TCP protocol? What are the services provided by TCP? Explain in detail. (20)
Q.3(a) What is UDP protocol? What are the uses of UDP protocol? Explain its features. (10)
(b) What is IPV4 address? Also discuss about IP Address Classes. (10)
Q.4(a) Explain LAN, WAN and MAN networks in detail? (10)
(b) Discuss various applications of word processor. How formatting and editing is possible in word processor. (10)

SECTION-B
Q.5
a) What do you mean by networking? Discuss different Network Interconnecting Devices in detail. (10)
b) What do you mean by information system? Explain the classification of information system. (10)
Q.6
a) What is Macro? In which various ways macro can be implemented? Explain in brief. (10).
b) What is a network? Discuss the various network topologies along with their advantages and disadvantages. Which topology need maximum amount of cabling? (10)
Q.7
a) What are graphs in MS Excel? What are the various types of graph possible in MS Excel? How would you insert a graph in MS Excel? Explain with the help of examples. (15)
b) Write short note on LAN Card, Bridge and Gateway (5)