BCI-2361 Seat No._______

M. Sc. (CA & IT) (Sem. V) Examination
March / April - 2014
501 : Networking - I

Time : 3 Hours] [Total Marks : 70

1 A Answer the following (Any six) 6

1 What is WAN?
2 Explain scalability as one of the advantage of networking.
3 What is broad casting?
4 What do you mean by store and forward subnet.
5 What is FDM?
6 Give the full form: i) STP ii) UTP
7 Radio waves are omni directional. (True/False)

B Answer the following (Any two) 12

1 Explain TCP/IP model.
2 What is switching? Discuss circuit switching and packet switching.
3 Explain coaxial cable and Fiber optic cable.

[Contd....]
2  A  Discuss different framing methods in data link layer.

B  Answer the following (Any one)

1  Discuss simplex stop and wait protocol.
2  Explain a sliding window protocol using Go Back N.

3  A  Discuss :

i)  Ethernet
ii)  Router

B  Answer the following (Any one)

1  Explain MACA and MACAW protocols.
2  What is CSMA protocol? Explain CSMA with collision detection.

4  A  Answer the following in short. (Any two)

1  Explain services provided by network layer to transport layer.
2  Write a short note on virtual circuit subnet
3  Discuss congestion control in datagram subnet

B  Answer the following (Any Two)

1  What is IP Address? Explain IP Address classes.
2  Discuss the chake pocket algorithm for congestion control.
3  Explain Distance vector Routing algorithm
A  Answer the following.
1  Explain world wide web.
2  Explain connection establishment process of transport layer.

B  Answer the following (Any one)
1  Explain transport service primitives.
2  Discuss flow control and multiplexing in transport layer.