



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 circiut switching and packet switching.
 - 3 Explain coaxial cable and Fiber optic cable.

- 2 A Discuss different framing methods in data link layer. 4
- B Answer the following (Any one) 6
- 1 Discuss simplex stop and wait protocol.
 - 2 Explain a sliding window protocol using Go Back N.
- 3 A Discuss : 4
- i) Ethernet
 - ii) Router
- B Answer the following (Any one) 6
- 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) 6
- 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) 12
- 1 What is IP Address? Explain IP Address classes.
 - 2 Discuss the chake pocket algorithm for congestion control.
 - 3 Explain Distance vector Routing algorithm

- 5 A Answer the following. 8
- 1 Explain world wide web.
 - 2 Explain connection establishment process of transport layer.
- B Answer the following (Any one) 6
- 1 Explain transport service primitives.
 - 2 Discuss flow control and multiplexing in transport layer.
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