

Ext. / VII / CBSGS
CCTN

24/3/18

Q. P. Code : 13295

(3 Hours)

(Total Marks: 80

- .. :
(a) Question No.1 is compulsory.
(b) Total 4 questions need to be solved.
(c) Attempt any three questions from remaining five questions.
(d) Assume suitable data wherever necessary, justify the same.

What are the roles of sub layer of data link layer? [4]

Define i) Load ii) Throughput How it will impact on network? [4]

Explain Connection oriented protocol with example. [4]

Explain the working principle of MPLS. [4]

List the features of Link State Routing. [4]

What are the roles of two level and three level switch? Justify router as an Intelligent device. [8]

Compare between IPv4 to IPv6. Explain the concept of tunneling. [6]

Derive the expression of efficiency of slotted ALOHA. [6]

List the exclusive features of TDM. [4]

Explain in detail the networking topologies and explain which is practically preferred. [8]

List the use of Multiple Access Techniques and Explain the CSMA/CD. [8]

BGP is Exterior Routing Protocols explain with working principle. [8]

Define: i) Unicast ii) Any cast ii) Multicast. Explain with a suitable example. [8]

Discuss the working Principle of Satellite Network. [4]

What do you mean by Peer to Peer communication? Explain with respective protocol. [8]

Compare between TCP and UDP and explain the UDP multiplexing and demultiplexing. [8]

Explain the concept Network Socket Programming. [4]

Write short notes on any two : [20]

(a) WiMAX

(b) Physical media

(c) DNS