

Total No. of Questions : 6]

SEAT No. :

P122

[Total No. of Pages : 1

Oct./BE/Insem.-46
B.E. (E & TC)
COMPUTER NETWORKS
(2012 Pattern) (Semester - I)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4 Q.5 or Q.6.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume Suitable data if necessary.*

Q1) a) State four levels of addressing used in TCP/IP & explain physical address in brief. [5]

b) State functions of network layer & explain any one in brief. [5]

OR

Q2) a) Write short note on fiber optic cable as a transmission media. Also state their merits and demerits. [6]

b) Compare between circuit switching and packet switching. [4]

Q3) a) State various channelizing protocols & explain any one protocol in brief. [6]

b) What are the common standard Ethernet implementations? Explain. [4]

OR

Q4) a) With the neat diagram, explain Selective Repeat sliding window Protocol. [6]

b) Compare & contrast between random access protocols with controlled access protocols. [4]

Q5) a) With the neat diagrams explain Basic Service set & Extended Service set in wireless networks. [6]

b) What is piconet? Explain in brief. [4]

OR

Q6) a) What is the significance of connecting devices in computer networks? Explain any device in brief. [5]

b) Explain Zigbee protocol with it's applications. [5]