SBG Study : Download Free Study Material WWW.SBGSTUDY.COM

Paper Code -TCS502	No. of Printed page:2
Paper ID and Roll No. to be filled in Roll. No.	your Answer book
B. Tec	
(SEM. VI) DE	EC- 2014
. Computer N	Network
[Time: 3Hours]	Total Marks: 100
Note: Attempt all question	
ilu physical address?	5X4=20 session layer? service point address, logical addres rotocol suite correlate to the layers of
(d) Discuss LRC and the type of er(e) What is the difference between configuration.	rors it can and can't detect. point to point and multipoint line internetworking. Write application
(a) Explain in detail the TCP/IP refe (b) What do you mean by the term (c) What are the various design issue	"Quality of Service (OoS)"
(d) What is the remainder obtained b	

(e) Sketch the Manchester encoding for the bits stream

0001110101

Q:-3 Attempt any 2 questions

10X2=20

- (a) Give two examples application for which connection oriented service is appropriate and connectionless service is best.
- (b) An ATM network uses a token bucket scheme for traffic shaping, a new token is put in to the bucket every 5μsec.what is the maximum sustainable netdata rate(i.e excluding header bit).
- (c) Alarge FDDI ring has 100 stations & a token rotation time of 40 msec. the token holding time is 10 msec. What is the maximum achieveable efficiency of the ring?

Q:-4 Attempt any 2 questions

10X2=20

- (a) What do you mean by traffic shaping. Explain only one of the technique by which traffic can be shaped.
- (b)Explain Open loop congestion control and closed loop congestion control in detail.
- (c) What is the difference between non persistent CSMA/CD & p persistent CSMA/CD.

Q:-5. Attempt any 2 questions

10X2=20

- (a)Explain IPV6 with suitable diagram. Is that possible to transmit data from IPV6 to IPV4? Justify your answer.
- (b)Consider building a CSMA/CD network running at 1 gbps over a 1 km cable with no repeaters. The signal speed in the cable is 200,000 km/sec.what is the minimum frame size.

 (c)Write short notes on the following:
 - 1. Frame Realy
 - 2. ISDN
 - 3. Slotted ALOHA

TCS-502 / 1830 / 2