END TERM EXAMINATION

SIXTH SEMESTER [B.TECH] MAY-JUNE 2014

	Code: IT-304	Subject: Computer Networ	·ks
0	3 11016.0	Maximum Marks:	
No	Select one ques	scluding Q.no.1 which is compulsory. stion from each Unit.	
Ql	communication? (b) Explain bit stuffing process. (c) What is the need of subnetting	en hub topology and star topology?	(2) (2) (2) (2) (2) (2) (2)
	(g) Which class does the followin (i) 157.143.252.207 (ii) 93.31.1.245		(2)
	the ACK for packet 2 gets acknowledged at the sender	encodings for the bit pattern shown below	2 is (3)
	i.	Unit-I	
Q2		resent in OSI model and their functions. y have to do with communications? OR	(7) (3)
Q 3	(a) Explain all the main compor(b) Discuss various types of tr and demerits.		(5) erits (5)
		Unit-II	
)4	(a) Explain all types of frames for (b) Discuss various ATM layers		(6) (4)
)5	(a) Compare and contrast G-Ba(b) In Hamming code, for a dat of redundant bits 'r' needed?	ck-N ARQ protocol with Selective repeat As of m bits how do you compute the number of the pure series of the	ARQ. (8 mber (2)
		Unit-III	
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		rinciples of IEEE 802.3 standard.	(10)
Q7	(a) Discuss briefly about the hig (b) Explain the working of Carri	gh speed networks. ier Sense Multiple Access protocol.	(6) (4)
		Unit-IV	
<i>8</i>	Discuss the following w.r.t IPv4 (a) Datagram format (b) Fields		(10)
ęģ	Explain the working of died	on and reassembly of an IPv4 datagram. OR	
	working of distance	e vector routing protocol with an example	.(10)

M-T/ONP/a