## END TERM EXAMINATION

SIXTH SEMESTER [B.TECH(IT/CSE)] MAY-JUNE 2018

040	er Code: IT-304	Subject: Computer Networ	rk
/	a. 3 Hours	Maximum Marks: 7	
N	ote: Attempt all questions as directed. In	nternal choice is indicated.	
Q1	Attempt the following questions:  (a) What is the need of layered structure in OS  (b) How many minimum number of redunct detection and error correction?  (c) Explain Back Off procedure.  (d) Define the terms latency and throughput.  (e) What are the drawbacks of stop and Wait A  (f) Explain the design issues of Network layer.  (g) Given the IP address 156.23.10.78, what Host Id and the CLASS of the address.  (h) Define Slotted Aloha.  (i) What is the hamming distance for each of (010001,111111)?  (j) Differentiate between FDMA and FDM.	dant bits are necessary for erro	Э,
)2	(a) What are the advantages of Computer Netv (b) Explain the structure of OSIRM and compa	vork? (2.5 are it with TCP/IP model (10)	
13	(a) What are the benefits of using OPTICAL FII (b) Explain the concept of Psudoternary and A transmission. Explain by considering 1100 (c) Write a short note on Telephone Systems.	MI technique used for digital data	
	UNIT-II		
4	Explain the concept of Selective Repeat ARQ.	Why the size of window is $2^{n-1}$ ?	
	OR	(12.5)	
15	<ul> <li>(a) Explain the frame formats of I,S and U fran</li> <li>(b) Given the dataword 1010011010 and the dof codeword at sender site and checking (assuming no error).</li> </ul>	ivicor 10111 about	
	UNIT-III		
6	(a) What do you mean by Channel Allocation P (b) Explain the technique used in Channelizati	roblem? (2.5) on (in Multiple Access Methods). (10)	
)7	(a) What are the devices used at different layers (b) Explain the frame format of IEEE 802.3 MA	s of OSIRM2	
8	Write 1		
	Write short notes on the following: (any two)  (a) Distance Vector Routing (b) Forwarding Techniques (c) How to create a routing table?	(6.25x2)	