

## Sai dar Patel Institute of Technology Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058, India

(Autonomous College Affiliated to University of Mumbai)

## **End Semester Examination**

Nov/Jan-2018-19

Max.Marks: 60

Class: B.E.

Course Code: EXC704

Duration: 3Hrs Semester: VII

Branch: ETRX

Name of the Course: Computer Communication and Networks

Instruction:

(1) All questions are compulsory

(2) Draw neat diagrams wherever required

(3) Assume suitable data if necessary

(3) CO - Course Outcomes

Q No.		Max.	CO
C 140.		Marks	
Q.1 (a)	Define 1) Multiple Access 2)Multiplexing. Compare TDM and FDM.	05	CO1
Q.1 (b)	Discuss the difference between Pure Aloha and Slotted Aloha. What is	10	CO1
40.2 (~)	CSMA-CD mechanism? Discuss in brief.	7	100
ON THE P	OR		
		7	
Q.1 (b)	Compare 1) LEO, MEO and GEO orbiting satellites 2)TCP/IP model	10	CO1
	and OSI reference model.	Carry Control	
Q.2 (a)	Discuss the main elements of Web email.	05	CO5
Q.2 (b)	With reference to flow control, brief out on the following mechanisms	10	CO2
	1)Simple Automatic Repeat Request (ARQ) 2) Stop and Wait ARQ.		
Q.3 (a)	What is Quality of Service (QoS)?. Define and discuss various metrics	05	CO4
	that define QoS flow characteristics.		No.
	OR		
	Oit		
Q.3 (a)	Distinguish between Connection Oriented and Connection-less protocols.	05	CO4
Q.3 (b)	Consider the following 4 flows sharing a common bottle neck link:	10	CO4
6.0 (0)			
	T 2 Mps		
E WAS THE			
	2 2.6 Mps 2		
	3 4 1405		
	4 5 Mps 4		
3215	Compute the fair share of each unsatisfied flow using Max-Min Fairness algorithm.		
Q.4 (a)	Define routing. Compare between static, dynamic and default routing	05	CO3
	mechanisms.		

		4	
Marie of the state of	OR	200	
Q.4 (a) Q.4 (b)	What is Subnetting? Discuss the role of Subnet Mask in finding the network-id using a relevant example.  Define 1)cookies and 1)cache. What is a Web Cache? Discuss in brief the significance of web cache.	The state of the s	CO3

Best of Luck