Sardar Patel Institute of Technology

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058, India
(Autonomous College Affiliated to University of Mumbai)

Mid Semester Examination
September 2018

Max.Marks: 20
Class: B.E.
Course Code: EXC704
Name of the Course: Computer Communication and Networks

Duration: 60 mins
Semester: VII
Branch: ETRX

Instruction:

(1) All questions are compulsory
(2) Draw neat diagrams wherever required
(3) Assume suitable data if necessary

Q No.		Max. Marks	CO
Q.1 (a)	Define congestion control and flow control. What is RED? Discuss.	05	CO4
	OR		
	Compare Leaky Bucket with Token Bucket Algorithm.	05	CO4
Q.1 (b)	What are hidden node and exposed node terminal problems in wireless networks? Discuss with neat diagrams.	05	CO1
Q.2 (a)	Prove mathematically that the visibility of Geosynchronous Orbiting Satellite is approximately 24 hours.	05	CO1
Q.2 (b)	Assume that the administrators requirement is 5 subnets and is using Class C network-id address : 192.168.1.0. Using the concept of Subnetting. find the possible of subnets, host/subnets and Customized subnet mask.	05	CO5
	OR		
Q.2 (b)	Define the IP address range. subnet-masks and priority bits for Class A. B and C IP addressing schemes.	05	CO5

————Best of Luck————