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
Aug 2017

Max.Marks: 30
Class: B.E.
Course Code: EXC704
Name of the Course: Computer Communication and Networks

Duration: 90 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)	Draw OSI model showing encapsulation and decapsulation process of data.	05	CO1
	OR		
	Compare TCP model with OSI reference model alongwith with relevant model diagrams.	05	CO1
Q.1 (b)	Explain the boot-up process of a typical router with an appropriate flowchart.	05	CO1
	OR		
	Compare TCP with UDP. Also explain the concept of sequencing and reassembling used by transport layer of OSI model.	05	CO1
Q.2 (a)	What are ports? Explain and summarize any four application layer protocols based on their port numbers.	05	CO5
Q.2 (b)	Discuss the different types of topologies used in networking.	05	CO1
Q.3	Define IP address and Subnet Mask? Based on priority bit concept, identify and discuss the range of various IP addressing schemes (classes) along-with their relevant applicability.	10	CO5

————Best of Luck————