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 Synoptic/Breakup

Aug 2017

Max.Marks: 30
Class: B.E.
Course Code: EXC704
Name of the Course: Computer Communication 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.	03	CO1
	Relevant model diagrams.	02	CO1
Q.1 (b)	Explain the boot-up process of a typical router.	03	CO1
	appropriate flowchart.	02	CO1
	OR		
	Compare TCP with UDP.	02	CO1
	Also explain the concept of sequencing and reassembling used by transport layer of OSI model.	03	CO1
Q.2 (a)	What are ports?	01	CO5
	Explain and summarize any four application layer protocols based on their port numbers.	04	CO5
Q.2 (b)	Five topologies used in networking.	01 Each	CO1
Q.3	Define IP address and Subnet Mask?	02	CO5
	Based on priority bit concept, identify and discuss the range of various IP addressing schemes (classes) along-with their relevant applicability.	08	CO5

————Best of Luck————