Sardar 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

Make-up Exam

Max.Marks: 60

Class: B.E.

Course Code: EXC704

Name of the Course: Computer Communication and Networks

Duration: 3Hrs

Semester: VII

Branch: ETRX

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. Marks	CO
Q.1 (a)	Draw ISO-OSI model and explain the functionality of Physical layer.	05	CO1
	OR		
Q.1 (a)	Does CSMA/CD mechanism works in wireless networks? discuss.	05	CO1
Q.1 (b)	Define Channelization. Discuss various channel access protocols with labelled diagrams.	10	CO1
Q.2 (a)	Define the following:1) Propagation Delay 2) Round Trip Time 3) Time Out 4) Time To Live 5) Content Delivery Network.	05	CO2
Q.2 (b)	With reference to flow control, brief out on the following mechanisms 1)Go Back-N(ARQ) 2) Selective Repeat ARQ.	10	CO2
	OR		
Q.2 (b)	Draw and explain frame format of 1) IEEE802.3 2) IEEE802.5.	10	CO2
Q.3 (a)	Discuss the operation of plug-n-play protocol. Also draw a neat labelled diagram of message format of plug-n-play protocol.	10	CO3
	OR		
Q.3 (a)	Assume that the administrators requirement is 6 subnets and is using Class C network-id address : 192.168.1.0. Using the concept of Subnetting, find the possible number of subnets, host/subnets and valid subnet ranges.	10	CO3
Q.3 (b)	Brief out about any one congestion detection and any one congestion avoidance mechanism.	05	CO4
Q.4 (a)	Elaborate on HTTP architecture with a neat labelled diagram.Also identify the difference between Persistent and Non-persistent HTTP.	10	CO5
Q.4 (b)	Discuss the main difference between HTTP and HTTPs.	05	CO5

————-Best of Luck————-