



Sardar Patel Institute of Technology

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

ReExam January 2020 (2018-19)

Max. Marks: 60

Class: F.Y.MCA

Course Code: MCA22

Name of the Course: Computer Networks

Date: 6/1/20

Time : 10 to 1 p.m.

Duration: 3Hrs

Semester:II

Branch: MCA

Instruction:

(4) All questions are compulsory

(5) Draw neat diagrams

(6) Assume suitable data if necessary

Q.No.	Questions	Max. Marks	CO_BL_PI
1.(A)	Consider a noiseless channel with a bandwidth of 12000 Hz transmitting a signal with 2 signal levels and 4 signal levels. Calculate the maximum bit rate .	6	1_3_1.1.2
1.(B)	Classify in detail different types of Noise in digital communication	6	1_3_1.2.1
2.(A)	Categorize in detail different types of topology in Networking	6	2_3_2.2.2
2.(B)	Compare any two networking devices	6	2_3_2.2.5
3.(A)	Compare OSI and TCP model	6	3_3-2.2.5
3.(B)	Distinguish different types of wired media OR Distinguish different between types of unwired media	6	3_3_2.2.4
4.(A)	Categorize different types of Framing techniques OR On what basis different types of ALOHA is classified.	6	3_3_2.2.4
4 (B)	What is the function of Internet Controlled Message protocol in Networking	6	3_3_2.2.2
5.(A)	Elaborate how to overcome the shortcomings of Leaky bucket Algorithm OR Choose an appropriate queue management algorithm which will put in practice both high priority and low priority queues.	6	4_6_3.2.1
5.(B)	Design model to establish communication between two hosts using TCP.	6	4_6_3.3.1