

K. J. Somaiya Institute of Technology, Sion, Mumbai-22
(Autonomous College Affiliated to University of Mumbai)

<p style="margin: 0;"><i>July / August 2024</i></p> <p style="margin: 0;">Program: B. Tech Electronics and Telecommunication Scheme I/II/IIB/III: <i>Supplementary</i> Examination: TY Semester: VI</p> <p style="margin: 0;">Course Code: EXC604 and Course Name: Computer Communication Networks</p> <p style="margin: 0;">Date of Exam: <i>05/08</i> 2024 Duration: 02.5 Hours Max. Marks: 60</p>

Instructions:

- (1) All questions are compulsory.
- (2) Draw neat diagrams wherever applicable.
- (3) Assume suitable data, if necessary.

		Max. Marks	CO	BT level
Q 1	Solve any six questions out of eight:	12		
i)	Compare MAN and WAN	2	1	Un
ii)	What do you mean by guided and unguided media	2	2	Un
iii)	What are different types of flow control	2	3	Un
iv)	Draw the HDLC frame format	2	3	Un
v)	Explain different types of routing	2	4	Un
vi)	Draw the ipv4 header	2	4	Un
vii)	Compare the TCP and Udp header	2	5	Un
viii)	Explain SMTP	2	6	Un
Q.2	Solve any four questions out of six.	16		
i)	What do you mean by socket programming	4	1	App
ii)	Explain ADSL modem in details	4	2	App
iii)	Explain bit and byte stuffing in CRC	4	3	App
iv)	Compare datagram and virtual packet switching	4	4	App
v)	Compare HTTP and FTP	4	6	App
vi)	Explain TCP three way handshaking	4	5	App

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Q.3	Solve any two questions out of three.	16		
i)	Explain different types of Topologies	8	1	An
ii)	Explain different routing schemes.	8	4	An
iii)	UDP is less concerned about flow & error Control Justify your answer	8	5	An
Q.4	Solve any two questions out of three.	16		
i)	Explain transmission impairment in detail with their causes	8	2	An
ii)	Compare ARQ techniques	8	3	An
iii)	Explain DHCP application layer protocol in details	8	6	An
