

DATA COMMUNICATION & COMPUTER NETWORK (Th-2)

Date of Commencement of classes: 14.03.2022

Date of Closing of classes: 11.06.2022

LIST OF WEEK/ MONTH WISE AVAILABLE DAYS/ PERIODS

Sl. No.	Month	Week-wise no. of academic days available					Total no. of academic days
		Week- 1	Week- 2	Week- 3	Week- 4	Week- 5	
1	March	--	--	4	6	3	13
2	April	2	5	4	4	6	21
3	May	5	4	4	5	2	20
4	June	3	6	--	--	--	09
Total		10	15	12	15	11	63

NO. OF AVAILABLE CLASSES PER WEEK/ MONTH

Sl. No.	Month	Week-wise no. of academic periods available					Total no. of academic periods
		Week- 1	Week- 2	Week- 3	Week- 4	Week- 5	
1	March	--	--	4	6	3	13
2	April	2	5	4	4	6	21
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4	June	3	6	--	--	--	09
Total		10	15	12	15	11	63

CHAPTER-WISE DISTRIBUTION OF PERIODS

Sl. No.	Name of the Chapter	Periods as per Syllabus	Required period	Expected Marks
01	Network& Protocol	08	08	15
02	Data Transmission & Media	08	07	15
03	Data Encoding	08	09	15
04	Data Communication & Data link control	08	10	15
05	Switching & Routing	10	09	15
06	LAN Technology	10	09	15
07	TCP/IP	08	06	15
TOTAL		60	58	105

Sign of Lect.

Sign of HOD.

Sign of AIC

Sign of Vice Principal

LESSON PLAN

Name of the Month	Week No.	Class day	Art. No.	Theory Topics	
M A R C H	3 rd	1 st	1.1	Chapter No.- 01 (Network& Protocol) Data Communication	
		2 nd		Continue.	
		3 rd	1.2	Networks	
		4 th	1.3	Protocol	
	1 st	Architecture.			
	2 nd	Standards,			
	3 rd	OSI, TCP			
	4 th	4 th		IP	
		5 th	2.1	Chapter No.- 02 (Data Transmission & Media) Data transmission Concepts and Terminology	
		6 th	2.2	Analog and Digital Data transmission	
		5 th	1 st	2.3	Transmission impairments,
			2 nd		Channel capacity
3 rd			2.4	Transmission media,	
4 th	Guided Transmission				
A P R I L	1 st	1 st	2.4	Wireless Transmission	
		2 nd			
	2 nd	1 st	3.1	Chapter No.- 03 (Data Encoding) Data encoding.	
		2 nd	3.2	Digital data digital signals,	
		3 rd	3.3	continue	
		4 th		Digital data analog signals	
		5 th		continue	
	3 rd	1 st	3.4	Analog data digital signals	
		2 nd	3.5	Continue.	
		3 rd		Analog data analog signals	
		4 th		Continue	
	4 th	1 st	4.1	Chapter No.- 04 (Data Communication & Data link control) Asynchronous Transmission	
		2 nd		Synchronous Transmission	
		3 rd	4.2	Error Detection	
		4 th	4.3	Line configuration.	
		5 th	1 st	4.4	Flow Control,
			2 nd	4.5	Error Control
			3 rd	4.6	Multiplexing
4 th			Cont.		
5 th	4.7		FDM synchronous TDM		
6 th	4.8	Statistical TDM			
M A Y	1 st	1 st	5.1	Chapter No.- 05 (Switching and Routing) Circuit Switching networks	
		2 nd	5.2	Packet Switching principles	
		3 rd	5.3	X.25	
		4 th	5.4	Routing in Packet switching	
		5 th	5.5	Congestion	

J U N E	2 nd	1 st	5.6	Effects of congestion,	
		2 nd		congestion control	
		3 rd	5.7	Traffic Management	
		4 th	5.8	Congestion Control in Packet Switching Network.	
	3 rd	1 st	6.1	Chapter No.- 06 (LAN Technology)	
		2 nd		Topology	
		3 rd		Transmission Media	
		4 th		Continue.	
	4 th	1 st	6.3	Medium Access control	
		2 nd		Continue.	
		3 rd	6.4	Bridges, Hub, Switch	
		4 th	6.5	Ethernet (CSMA/CD), Fiber Channel	
		5 th	6.6	Wireless LAN Technology.	
	5 th	1 st	7.1	Chapter No.- 07 (TCP/IP)	
		2 nd		TCP/IP Protocol Suite	
	1 st	1 st	7.2	Basic Protocol functions	
		2 nd	7.3	Principles of Internetworking	
		3 rd		Internet Protocol operations	
		1 st	7.4	Internet Protocol	
		2 nd	Ch-01,02	Revision-1/Previous yr Question Answer Discussion	
3 rd		Ch-03	Revision-2/ Previous yr Question Answer Discussion		
4 th		Ch-04	Revision-3/ Previous yr Question Answer Discussion		
5 th		Ch-05	Revision-4/ Previous yr Question Answer Discussion		
6 th		Ch-06,07	Revision-5/ Previous yr Question Answer Discussion		

Coverage of Chapters up to the internal assessment (2nd week of May): **1, 2 & 3.**

Learning Resources:

Sl. No.	Name of the Book	Author Name	Publisher
01	A.Kahate	Cryptography & Network Security	TMH
02	W. Stallings	Cryptography & Network Security Principles & Practices	Prentice Hall
03	Pachghare	Cryptography & Network Security	PHI