O.P.Code: 20CS0513

R20

H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

B.Tech II Year II Semester Regular & Supplementary Examinations August-2023 COMPUTER NETWORKS (Common to CSE, CAD & CSM)

	(Common to CSE, CAD & CSM)	26	361	- 60
Tin	ne: 3 Hours (Answer all Five Units $5 \times 12 = 60$ Marks)	Max.	Mari	ks: 60
	UNIT-I			
1	a Describe about analog signals.	CO1	L2	6M
	b Classify performance of the networks.	CO1	L4	6M
	OR			
2	Differentiate between OSI and TCP /IP reference models.	CO1	L3	12M
	UNIT-II			
3	a Classify the Data Link Layer Design Issues.	CO2	L4	6M
	b Justify what are the error correction techniques used in data link layer.	CO2	L5	6M
	OR			
4	Illustrate HDLC Protocol with the elaborative explanation of its frames.	CO2	L3	12M
	UNIT-III			
5	List and explain congestion control algorithms in network layer.	CO3	L1	12M
	OR			
6	a Sketch and explain in detail about IPV6protocol.	CO3	L3	6M
	b Descibe about BGP- Exterior Gateway routing protocol.	CO3	L2	6 M
	UNIT-IV			
7	a Summarize congestion control in transport layer.	CO4	L2	6M
	b Elaborate each field of TCP segment header with neat diagram.	CO4	L5	6M
	OR			22
8	Discuss in detail about performance issues of transport layer.	CO4	L2	12M
	UNIT-V			
9	a List out the four main properties of HTTP.	CO5	L1	6M
	b Explain about secure shell in application layer.	CO5	L2	6M
	OR			
10	Demonstrate about MIME Protocol with neat diagram.	CO5	L2	12M
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