Code No: R2031461 (R20) (SET - 1

III B. Tech I Semester Regular Examinations, Dec/Jan-2022-23 COMPUTER NETWORKS

(Common to CSE (CS), IOT &CS incl BCT, CSE (IOT), CS)

Time: 3 hours Max. Marks: 70

J. O.	max. Marks	. 10
	Answer any FIVE Questions ONE Question from Each unit	
	All Questions Carry Equal Marks	
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a)	Explain in detail the OSI model with the help of heat diagrams.	[7M]
b)	Summarize the classification of Network topologies	[7M]
	(OR)	
a)	Discuss LAN, MAN, WAN.	[7M]
b)	Differentiate between Circuit Switched and Packet Switched	[7M]
a)	Explain about FDM, TDM and WDM.	[7M]
b)	Discuss the different types of transmission media.	[7M]
	(OR)	
a)	Explain the different methods for implementing Framing in DLL.	[7M]
b)	Explain CSMA with Collision Avoidance.	[7M]
	<u>UNIT-III</u>	
a)	Explain about Multi-bit Error detection methods.	[7M]
b)	Write short notes on i)Wi-Fi ii)Wi-MAX	[7M]
	(OR)	
a)	Explain about Standard, Fast and Gigabit Ethernet.	[7M]
b)	Briefly discuss about Bluetooth and its architecture.	[7M]
,		[77.6]
		[7M]
D)		[7M]
,	()	[/73.6]
a)		[7M]
b)		[7M]
D)	1	[/ 1/1]
a)		[10M]
,	layers? Explain the congestion control mechanism in TCP.	. ,
b)	Explain about DNS messages and its Resource Records.	[4M]
	(OR)	
a)	What is UDP? Discuss its features, services and applications.	[7M]
b)	Write short notes on 1)SMTP 11)HTTP	[7M]
	a) a) b)	All Questions Carry Equal Marks ***** ***** ***** ***** ***** ****