## Total No. of Printed Pages:3

## SUBJECT CODE NO:- B-2105 FACULTY OF SCIENCE & TECHNOLOGY B.Sc. T.Y (Sem-VI)

Examination November/December- 2022 Computer Science Paper-CSO-19

(Data Communication & Networking)

rm•	1.20 II.	(Data Communication & Networking)	<b>501</b>
[Time: 1:30 Hours]		ırs] [Max. Marks	;: 50 <u>]</u>
		Please check whether you have got the right question paper.	
N.B		<ol> <li>Attempt all questions.</li> <li>All questions carry equal marks.</li> </ol>	
Q. 1	1)	Explain the advantages and application of computer network.	10
	2)	What is network topology? Explain star and bus network topology with its advantages	10
		and disadvantages.	
		OR STATE OR	
	1)	What is multiplexing? Explain amplitude shift keying (ASK) and frequency shift keying	10
		(FSK) with suitable diagram.	
	2)	Explain with neat diagram LAN, MAN and WAN. network with suitable diagram.	10
0.2	5 <sup>2</sup> 1)	Explain different types of guided transmission media.	10
Q. 2	7		10
	2)	Differentiate between 2G and 3G mobile telephone system.	
657		OR OR	
	Write	short note (any four)	20
	1)	Digital to analog conversion	
	2)	Demodulation	
J. C.	3)	Unguided media	
E	4)	Satellite communication	
	(5)	ADSL versus cable	
	6)	First generation.	
	() <sup>*</sup>		

Multiple choice question	Chill the Child State Block						
1. Term that is used for physical path by which a message travels from sender to receiver							
a) Jitter	c) Transmission medium						
b) Protocol	d) None						
	with the state of						
2 is a data communication system spanning states, countries or the whole world.							
a) MAN b) WAN	c) LAN d) None						
	Sign will see to see the second						
3. In mesh topology devices are connected via							
a) Multipoint link	c) No Link						
b) Point to point link	d) None of the above						
4. Multipoint topology is							
a) bus b) star	c) mesh d) Ring						
Chill Star Star	This could share share						
5. Guided media provides a conduit from one device to another, includes							
a) Twisted pair cable	c) Fiber optic cable						
b) Coaxial cable	d) All of the above						
6. Most common trusted pair cable used in communication are							
a) UTP	c) Normal trusted pair						
b) STP	d) NONE						
VELLE, The CHAIN THE	2 Section 1974						
7. In the amplitude of the carrier signal is varied, both frequency and phase remain							
constant.							
a) PSK b) ASK	c) FSK d) QAM						
8. Demodulation is done in							
a) Receiving antenna	c) Radio receiver						
b) Transmitter	d) Transmitting antenna						

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				B-2103
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<ul><li>9. the second generation</li><li>a) Analog voice</li></ul>	(2g) of mobile pri	c) Hybrid	THE WASHINGTON	STON STA
b) Digital voice	130 TE	d) Digital voice and	data	
				NEDOS ON
10. In frequency spectrum			d) Tologisian	
a) Am radio	) FM radio	c) Mobile radio	d) Television	
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