

NC-104

November-2023

B.C.A., Sem.-V

CC-303 : Computer Network

Time: 2½ Hours]			Max. Marks: 70		
1.	Ans	swer the following:			
	(1)	A Company of the Comp	7		
	(2)		7		
	(2)	OR OR			
	(1)	Explain the use of PCM in analog signal, digital transmission.	7		
	(2)	What analogies can be used to explain simplex, half-duplex and full-dupl transmission?	ex 7		
2.	Answer the following:				
	(1)	Explain the technique called synchronous TDM. Contrast it with statistical TDM			
	(2)	Explain how Cyclic Redundancy Check(CRC) works ?	7		
	,	OR CONTROL OF THE PROPERTY OF			
	(1)	Explain difference between FDM and TDM. What is WDM?	7		
	(2)	Describe Go-Back-n technique in detail.	7		
		3) The standard for Bluerooth is called			
3.		swer the following:	7		
	(1)	Discuss satellite communication in detail.	7		
	(2)	List network topologies. Explain any two in detail.			
		OR and the stand (d) transport (d)	7		
	(1)	Explain optical fiber cable with its propagation modes.	7		
	(2)	Explain packet switching with its methods.			
4.	Ans	swer the following:			
	(1)	Discuss OSI model in detail.	7		
	(2)	Explain FDDI with self-healing mechanism.	7		
		OR			
	(1)	Explain ISDN interfaces with channel types.	7		
	(2)	Explain Router and Gateway in detail.	7		
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(1)	signals are co	ntinuous in nature.
	Analog	(b) Digital
(c)	Mixed	(d) None of the above
(2) The	number of cycles cor	
(a)	Amplitude (b)	mpleted by a signal in one second is called its
	, ,	Period (c) Frequency (d) Phase
(a)	Analog, digital	transmission of signals.
	Digital, analog	(b) Digital, digital
		(d) Analog, analog
(a) 1	Noise	any medium, its strength decreases due to
(c) I	Delay distortion	(b) Attenuation
		(d) Retransmission
called	· · ·	e signal off from the old channel to the new one is
	(b) N	Odification (1)
(6) Messag	o Theming IS also co	lled technique. (d) Handoff
(7) ISDN et	ore and release	(b) Store and forward (d) Store and never release
(a) Inte	ands for servi	ces digital network
(a) Inte	grated (b) Inte	emational (c) Internet (d) Interoperable
(a) IFF	dard for Bluetooth is c	alled (d) Interoperable
(9) Generalla	(b) IEE	E 802.2 (c) IEEE 802.11 (d) IEEE 802.5
(a) Rene	is used to c	livide a network into segments.
(10)	(b) Route	divide a network into segments. er (c) Bridge (d) Gateway
(a) Optical	al fiber	(c) Bridge (d) Gateway used transmission medium.
(11) h	elne Bet	used transmission medium. (c) Coaxial Cable (d) STP
(a) CSMA	VCD 4	(c) Coaxial Cable (d) STP er from simultaneous transmission causing errors. (c) CSMA (d) Collinia
(12) Infrared con	(b) CD	(c) CSMA (d) Collision
(a) Wired	an examination is an examination	(c) CSMA (d) Collision mple of communication.
(c) Post) & a.	(b) Wireless
(c) Both (a) & (b)	(d) None of the above