

17662

11718								
3 Hours / 100 M	larks	Seat No.						
Instructions :	 All qu Illustr Figure Mobile device 	estions are comp rate your answer es to the right in e Phone, Pager o es are not permis	pulsory . s with nea dicate ful and any of sible in E:	t sketc l mark ther El xaminc	hes wl s. ectron ution H	herever ic Comr Iall.	necesso nunicat	ary. tion
1. Attempt any five								Marks 20
1) Define the followin	ι σ ·							_0
a) Amplitude	5.	b) Free	nuency					-
c) Period		d) Pha	se					
2) What are standard	s?Name any	4 standard organ	ization.					4
3) What is FTP ? Stat	te its applicati	ions.						4
4) Describe the conc	ept of IEEE 8	302.11 FHSS.						4
5) List advantages of	fiber optic ca	ble over electrica	l cable.					4
6) Explain stop and v	vait protocol ı	used for error rec	overy.					4
7) Draw and describe	the block dia	gram of digital co	mmunicat	ion sys	tem.			4
2. Attempt any two:								16
1) What is multiplexi	ng?Explain'	TDM and FDM w	with 2 adva	ntages	and 2 c	lisadvan	tages.	8
2) Explain the followi	ng:			0			0	8
a) ARP		b) RA	RP.					-
3) Describe Asynchro and ATM layer.	onous transfer	mode with respe	ct to switch	ning mo	ode, pa	cket size	,ATM c	ells 8
3. Attempt any four:								16
1) Differentiate betwee	en analog and	d digital signal.						4
2) Draw and explain	[sochronous t	ransmission mode	е.					4
3) What is IP address	s? Give the cl	lasses of IP addre	ess.					4
4) Explain concept of	f DSSS. Give	its two advantage	es.					4
5) List different light	sources used i	in fiber optic com	munication	n?Des	cribe a	ny one ir	ı detail.	4
6) Explain cyclic red	undancy chec	k method of error	detection.					4

Marks

4.	4. Attempt any four:				
	1) State the meaning of following terms with example.	4			
	a) Data transmission rate				
	b) Bandwidth.				
	2) Compare digital and analog transmission.	4			
	3) Describe the concept of DNS.	4			
	4) Draw and explain the structure of Ethernet frame.	4			
	5) Describe Rayleigh Scattering loss and bending loss in an optical fiber cable.	4			
	6) Explain Go-back-in method of error recovery.	4			
5.	Attempt any two:	16			
	1) Explain Bluetooth architecture.	8			
	2) Explain construction of optical fiber cable and principle of light propagation in fiber.	8			
	3) What is error ? Explain delay distortion, attenuation and noise in detail.	8			
6.	Attempt any four:	16			
	1) Describe serial communication. Give its advantages and disadvantages.	4			
	2) What is TCP/IP? Explain any two layers of TCP/IP.	4			
	3) State any 4 functions of OFDM.	4			
	4) Explain the following terms :	4			
	a) Reflection				
	b) Refraction.				
	5) Explain Single bit error and Burst error.	4			
	6) List any 4 applications of Laser.	4			

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