1	1920	0											
3	Ho	ours /	<b>70</b>	Marks	Seat	No.							
	Instru	uctions –	(1)	All Questions	s are Comp	pulsor	y.						
			(2)	Illustrate you necessary.	r answers	with	neat	sketo	hes	wl	nere	ver	
			(3)	Figures to the	e right ind	licate	full 1	nark	S.				
			(4)	Assume suita	ble data, i	f nece	essary	<b>7.</b>					
			(5)	Mobile Phone Communication Examination	on devices								
												Mar	·ks
1.		Attempt	any	FIVE of the	following	<b>;</b> :							10
	a)	Define b	oit ra	te and baud ra	ate.								
	b)	List diffe		characteristics	of data c	commu	ınicat	ion	syst	em.			
	c)	Define g	guideo	d and unguide	d commun	icatio	n me	dia.					
	d)	Classify	mob	ile generations									
	e)	Compare	LRO	C and CRC (A	Any two p	oints	each.	)					
	f)	State dif	feren	t types of Ne	twork topo	logies	<b>5.</b>						
	g)	List clas	ses o	of IP addressin	ng with the	eir IP	addr	ess 1	ang	e.			
2.		Attempt	any	THREE of t	the followi	ing:							12
	a)			between synch on. (Any four		d asyı	nchro	nous					

b) Draw and explain fiber optic cable.

c) Explain wireless LAN 802.17 architecture.

d) State the functions of any two layers of OSI model.

3.		Attempt any THREE of the following:	12
	a)	State the two advantages and two disadvantages of unguided media.	
	b)	Draw and explain block diagram of communication system.	
	c)	Describe different connecting devices used in computer network.	
	d)	Draw and explain OSI reference model.	
4.		Attempt any THREE of the following:	12
	a)	Describe multiplexing techniques.	
	b)	Compare IPV <sub>4</sub> and IPV <sub>6</sub> . (Any four points.)	
	c)	Explain circuit switching network with neat sketch.	
	d)	Draw and explain TCP/IP model.	
	e)	Explain various IEEE communication standards.	
5.		Attempt any <u>TWO</u> of the following:	12
	a)	Explain simplex, half duplex and full duplex modes in data communication.	
	b)	Describe the principles of packet switching and circuit switching techniques with neat diagram.	
	c)	Explain configuration of TCP/IP protocol in network.	
6.		Attempt any TWO of the following:	12
	a)	Describe bluetooth architecture technologies.	
	b)	Explain the process of DHCP server configuration.	
	c)	Describe wireless infrastructure components in detail.	

Marks