## 17668

1	192(	)													
3	Ho	urs	/	10	0	Marks	Seat	No.							
	Instru	ctions	s —	(1)	A	ll Questions	are Comp	oulsor	у.						
				(2)	A	nswer each 1	next main	Ques	stion	on	a ne	ew	pag	e.	
				(3)	Fi	gures to the	right ind	icate	full	mark	S.				
				(4)	A	ssume suitab	le data, i	f nece	essary	1.					
				(5)	Co	obile Phone, ommunication xamination H	n devices	-							
														Marl	<b>K</b> S
1.	a)	Atte	mpt	any	T	HREE of th	ne followi	ng :						1	2
		(i)	De	scribe	e tl	he commonly	v use file	form	at:						
			(1)	BM	Р										
			(2)	JPE	G										
		(ii)	Sta	te an	y :	four applicat	ions of ca	able t	elevi	sion.					
		(iii)	Dra	aw ai	nd	explain the	constructi	on of	com	pack	dis	sc.			
		(iv)				ntages of D g capacity o		expla	in e	nhan	cem	nent	of	•	
	b)	Atte	mpt	any	0	NE of the f	following	:							6
		(i)				k diagram h f each block		in C.	ATV	anc	l sta	ate	the		
		(ii)		aw bl each		k diagram of ock.	CD encod	ling a	nd sta	ate tl	he f	unci	tion		

2. Attempt any TWO of the following : 16 Describe the function of different equipments used in production a) studio. b) Draw block diagram of blue-ray disc player and state the function of each block. c) Draw block diagram of MAC encoder and describe the function of each block. 3. Attempt any FOUR of the following : 16 a) List any four application of closed circuit television. b) Describe the principle of interactive TV. c) Describe display basics of plasma television. Draw block diagram of LCD monitor and state the function of d) each block. List any four applications of projection TV. e) 4. a) Attempt any THREE of the following : Describe the features of HDTV system. (i) (ii) Describe the working of LED module in Jumbo TV screen. (iii) Describe the analog format: (1) VHS - C (2) Hi8 (iv) Draw neat block diagram of HDTV. b) Attempt any ONE of the following : 6 (i) Draw block diagram of tracking servo system and describe its working. (ii) Draw and explain block diagram of signal processing and distribution of cable television.

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## 5. Attempt any FOUR of the following : 16 Draw and explain the construction of blue-ray disc. a) b) Describe the multi sync. monitor. Describe the principle and working of projection TV to get c) large screen. Draw and explain block diagram of two way cable system. d) Describe how conditional access is provided in CATV. e) Attempt any FOUR of the following : 6. 16

- a) Describe the basic principle of video phone.
- b) Draw block diagram of DTH transponder and explain its working.
- c) Draw schematic diagram of three beam optical pickup assembly in CD player and describe its working.
- d) State the specification of monitor.
- e) State two merits and two demerits of plasma display.
- f) Draw block diagram of CCTV and explain its working.