T.E. (EXTC) (Sew-V) ((B)

Date-27/11/19

Paper / Subject Code: 32206 / Elective - I TV & Video Engineering

	(3 Hours)	Marks: 80
NB:	 question 1 is compulsory Attempt any three questions out of remaining five questions Draw appropriate neat diagrams wherever required. 	
(a) Ex (b) I (c) W (d) E	mpt any four xplain synchronization in TV system. List electrical characteristics of NTSC system. That do you understand by Chroma subsampling in digital TV system. xplain the principle used in image orthicon camera tube	20
(e) W	hat is smart Television? Explain the features.	20
Q.2(a) Explain interlaced scanning in detail with appropriate diagrams.		10
	Explain how monochrome and colour television are made compatible.	10
	ist the advantages of digital Television over analog television system. Draw and explain PAL Decoder block diagram.	10 10
$\Omega(a)$	What is MAC? List advantages. Draw and explain D2 MAC signal.	10
	Write short note on LED displays.	10
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	List the features of various DVB standards 1) DVB-T 2)DVB-S 3)DVB-C.	10 10
(b) \	Write short note on MPEG-2.	10
(b)	xplain satellite television communication system with appropriate block diag Write short notes on any two	rams. 10 10
	set top box	
	HDTV	
iii.	composite video signal	