HARROM DIA MINI DIMITA DIA DANI DILIFADI DINI DINI DINI DINI DINI DINI DINI D	S COLLEGE	K15F 0232
Reg. No. :		
Name :	1400	
VII Semester B.Tech. Degr Examin	ation, November 7	2015
(200 PT2K6/2K6EC 70	7 Admn. Onwards 4 : TELEVISION E	NGINEERING
Time: 3 Hours		Max. Marks: 100
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are are	PART-A	
Answer all questions.		
1. a) What is resolution? Explai	n vertical resolution.	
b) Why video signals are AM rTV transmission ? Explain.		signals are FM modulated in
c) Write the disadvantages of	f delta gun picture tube	9.
d) Write the working principle	of image orthicon car	nėra tube.
e) Write the characteristics of	of PAL system.	
f) What is the need of ident of	circuit in PAL receiver	? Explain.
g) Briefly explain about MPE	G Video Compression	
h) Write a short note on DCT		
	DADT_R	

2. a) What is negative modulation? Write its advantages. b) With a neat diagram explain the working of CCD camera. OR

3. What is a composite video signal? Explain how the vertical and horizontal retrace periods are effectively utilized in 625 line system.

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4	. a	a)	With a diagram explain the working of PIL picture tube.	7
			What is convergence? Explain the different types. Also explain the method used to achieve convergence.	8
			OR	
5.	a	ı)	With a block diagram explain the working of a monochrome TV transmitter.	9
	b)	Write a short note on LCD Screen.	6
6.	a))	Why PAL burst is called swinging burst? Explain with phasor diagram.	7
			Write the advantages and disadvantages of SECAM system.	8
			OR	1
7.	a))	Draw the block diagram of a NTSC receiver and explain its working. Also write the demerits of NTSC system.	10
	b)		What is a colour killer circuit ? Explain.	10
8.			What is HDTV ? Explain.	5
			Write a note on Video Coding and Compression.	6
			OR	9
9.	Dr op	ra De	w the block diagrams of Digital TV transmitter and receiver and explain its ration. Also write the advantages of digital transmission.	45