	Enrollm	ent No:		Exam Seat No:				
		C.U.	SHAH I	JNIVERSITY				
				mination-2017				
	Subject Name: Audio Video Engineering							
	Subject Code: 4TE06AVE1			Branch: B.Tech (EC)				
	Semester	:: 6 Date:	17/04/2017	Time: 02:30 To 05:30	Marks: 70			
	Instructio		o colculator & any	other electronic instrument is	wohibitad			
	<ul><li>(1) Use of Programmable calculator &amp; any other electronic instrument is prohibited.</li><li>(2) Instructions written on main answer book are strictly to be obeyed.</li></ul>							
	(3) Draw neat diagrams and figures (if necessary) at right places.							
	(4)	Assume suitable data	if needed.					
Q-1		Attempt the follow	wing questions:			(14)		
	<b>a</b> )	Define Reverberati						
	<b>b</b> )	What is audio Sign Define Flicker.	al?					
	c) d)	What is the function	n of color killer ci	renit?				
	e)	Why scanning line						
	f)	What is frequency	•					
	<b>g</b> )	What is HUE?	8.					
	<b>h</b> )	State the functions	of AGC circuit in	TV.				
	i)	What is Comb filte	er?					
	<b>j</b> )	What is pitch?						
	<b>k</b> )	State any two char: Write a full form o						
	l) m)		` '	which Two color produces mag	enta?			
	n)	What is mean by co	•	which I wo color produces mage	inta :			
Atte	emnt any f	four questions from	O-2 to O-8					
1100	inpe ung i	questions iron	21000					
<b>Q-2</b>		Attempt all questi				(14)		
	(a)			Explain Refraction and reflection	on of sound	05		
	(b)			explain wave properties.	ionophopo in	04 05		
	<b>(c)</b>	detail.	me? State its char	racteristics. Explain any one m	ncrophone in	US		
Q-3	}	Attempt all questi	ions			(14)		
Q.	(a)			nd Permanent magnet loud	speaker with	06		
	` /	necessary diagrams	-	<u> </u>	-			
	<b>(b)</b>	Define tweeter. Ex	• • •	necessary figures.		06		
	(c)	What is cross over				02		
<b>Q-</b> 4		Attempt all questi				(14)		
	( <b>a</b> )	Explain CVS with	necessary diagram	l.		06		



**(b)** 

Define Scanning. Why interlace scanning is preferred instead of progressive

06

		scanning?	
	<b>(c)</b>	Which Color difference signal is not transmitted during transmission? Why?	02
Q-5		Attempt all questions	(14)
	(a)	Compare positive modulation with negative modulation.	03
	<b>(b)</b>	Explain luminance channel.	04
	<b>(c)</b>	Draw and Explain Pal-D color receiver.	07
Q-6		Attempt all questions	
	(a)	Explain PA system in detail. Explain planning of it.	04
	<b>(b)</b>	Explain Video pattern generator.	04
	<b>(c)</b>	Explain interference suffered by TV signal	06
Q-7		Attempt all questions	
	(a)	Explain Digital TV in brief.	06
	<b>(b)</b>	Describe HDTV in detail.	04
	<b>(c)</b>	Explain Disc based sound recording.	04
Q-8		Attempt all questions	(14)
	(a)	Explain PAL encoder.	04
	<b>(b)</b>	Describe TV transmitter and receiver in detail.	06
	(c)	Explain Receiver control in brief.	04

