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## SUB. CODE:-US05CELE06Analog CommunicationsDATE:-8/10/2018TIME:-10:am to 12:noon

Q-1	Choose correct answer		[08]
1.	A single transistor working as frequency mi	xer and local oscillator is called	·
	(A) converter	(C) mixer	
	(B) local oscillator	(D) None of these	Cai
2.	IF frequency in case of of super-heterodyn	e radio receiver is	A.P. Science
	(A)455 khz	(C) 55 khz	121 S
	(B) 45 khz	(D) None of these	No (managy )5)
3.	Aspect ratio used in T.V receiver is		1. 1. 1. 1. 1. 1.
	(A) 4:3	(C) 3:3	
	(B) 4:4	(D) None of these	. V.Nagar
4.	The function of amplitude de- modulation		And
	(A)Amplitude modulation	(C)Frequency modulation	
	(B) Phase modulation	(D) None of these	
5.	In TV sound signal ismodula		
Э.	(A) AM	(C) PM	
	(B) FM	(D) None of these	
6.	As different stations are tuned in Radio Rec		
0.	As unreferit stations are tuned in Natio Net	eiver of pirequency of mixer is	
	(A) Constant	(C) Changes	
	(B) Zero	(D) None of these	* i
7.	Problem of flicker is solved by	(b) None of these	
1.	(A) Interlaced Scanning	(C) Cut-off	
	(B) Blanking	(D) None of these	
8.	is used to match impedeance		
0.	(A)BALUN	(C) RF TUNER	
	(B) IF TRAP	(D) None of these	
	(D) IF IRAP	(D) None of these	
Q-2	Short answer type question. (any five)		[10]
1.	Draw the block diagram of mixer and explain	in its working	61
2.	Draw the block diagram of VHF Tuner in TV		
3.	List basic functions of A.M. Receiver.	Teceiver	
4.	Draw the circuit of linear diode detector.		
4. 5.	Explain scanning.		
6.	Draw the circuit of BALUN.		
0. 7.	Give classifications of a Radio Receiver.		
1.	Give classifications of a radio receiver.		

8. Explain Aspect Ratio.

Q.3	Draw the circuit of RF Amplifier and explain its working . OR		
Q.3	Draw the circuit of frequency converter using one transistor and explain its working	[08]	
Q.4	Draw the block diagram of super hetero-dyne Radio Receiver and explain function of each block.	[08]	
0.4	OR		
Q.4	List basic functions of AM Receiver and explain each in detail.		
Q.5	Give an account of Composite Video Signal.	[08]	
	OR		
Q.5	Give an account of Image Orthicon Camera tube.	[08]	
Q.6	Draw a neat block diagram of Black & White Broadcast TV Receiver. OR	[08]	
Q.6	List different inter stage coupling methods. Explain all in detail.	[08]	

