V.P. & R.P.T.P SCIENCE COLLEGE

INTERANAL EXAMINATION - OCTOBER - 2017

T.Y.B.Sc (Vth- SEMESTER) ELECTRONICS

CODE:-US05CELE06 E : 11:00 AM TO 12:30 PM	DATE :- 09/ M	10/2017 ARKS-25
Choose correct answer		[3]
Single transistor working as a frequency	uency mixer & local oscillator is calle	ed
(A) Converter	(C) Mixer	100
(B) Local oscillator		103.5
In case of superhetrodyne receiver, I	The state of the s	10
(A) 455 KHz	(C) 455 Hz	LIBR
(B) 45 Hz	(D) none of above	(*
Aspect ratio used in TV receiver is	:	LVN
(A) 4:3	(C) 4:4	
(B) 3:4	(D) none of above	
Short answer type question.(attempt	t any two)	[4]
Draw the diagram of Mixer and expla	in its working.	(72.7.5)
List salient features of broadcast rece	iver.	
Explain interlaced scanning.		
Draw the circuit of RF amplifier & Exp		[6]
Draw the circuit of Frequency convert		[6]
Draw the block diagram of super hete working .	erodyne radio receiver and explain its	[6]
	OR	
Give the basic functions of AM receive	er and explain each in detail.	[6]
		[6]
Draw the diagram of Image Orthicon	Camera tube and explain its working.	[6]
	Choose correct answer Single transistor working as a frequency (A) Converter (B) Local oscillator In case of superhetrodyne receiver, If (A) 455 KHz (B) 45 Hz Aspect ratio used in TV receiver is (A) 4:3 (B) 3:4 Short answer type question.(attempt Draw the diagram of Mixer and explain List salient features of broadcast received Explain interlaced scanning. Draw the circuit of RF amplifier & Explorate the circuit of Frequency converted Draw the block diagram of super heterory working. Give the basic functions of AM received Give an account of composite video services and super size of the circuit of the ci	Choose correct answer Single transistor working as a frequency mixer & local oscillator is called. (A) Converter (D) none of above In case of superhetrodyne receiver, IF frequency is