

V.P. & R.P.T.P SCIENCE COLLEGE
INTERANAL EXAMINATION – OCTOBER - 2017
T.Y.B.Sc (Vth- SEMESTER) ELECTRONICS

SUB. CODE:-US05CELE06

DATE :- 09/10/2017

TIME : 11:00 AM TO 12:30 PM

MARKS-25

Q-1 Choose correct answer [3]

1. Single transistor working as a frequency mixer & local oscillator is called _____.

- (A) Converter (C) Mixer
(B) Local oscillator (D) none of above

2. In case of superhetrodyne receiver, IF frequency is _____.

- (A) 455 KHz (C) 455 Hz
(B) 45 Hz (D) none of above

3. Aspect ratio used in TV receiver is _____.

- (A) 4:3 (C) 4:4
(B) 3:4 (D) none of above



Q-2 Short answer type question.(attempt any two) [4]

- 1 Draw the diagram of Mixer and explain its working.
2. List salient features of broadcast receiver.
3. Explain interlaced scanning.

Q-3 Draw the circuit of RF amplifier & Explain its working [6]

OR

Q-3 Draw the circuit of Frequency convertor and explain its working. [6]

Q-4 Draw the block diagram of super heterodyne radio receiver and explain its working. [6]

OR

Q-4 Give the basic functions of AM receiver and explain each in detail. [6]

Q-5 Give an account of composite video signal. [6]

OR

Q-5 Draw the diagram of Image Orthicon Camera tube and explain its working. [6]
