

V.P. & R.P.T.P SCIENCE COLLEGE
INTERANAL EXAM
T.Y.B.Sc (SEM-5) ELECTRONICS
SUB. CODE:-US05CELE06

DATE:-06/10/2016

TIME:-11:00 TO 12:30 PM

MARKS-25

- Q-1 Choose correct answer [3]
1. Single transistor working as a frequency mixer and local oscillator is called _____.
(A) converter (C) mixer
(B) local oscillator (D) none of these
 2. IF frequency in case of super heterodyne receiver is _____.
(A) 455 KHz (C) 55KHz
(B) 0.45 KHz (D) none of these
 3. Aspect ratio used in T.V receiver is _____.
(A) 4:3 (C) 3:3
(B) 4:4 (D) none of these
- Q-2 Short answer type question.(attempt any two) [4]
1. Draw the block diagram of mixer and explain its working.
 2. Explain interlaced scanning.
 3. List the basic features of AM receiver.
- Q-3 Draw the circuit of RF amplifier and explain its working. [6]
- OR**
- Q-3 Draw a circuit of frequency convertor using one transistor and explain its working. [6]
- Q-4 Draw the block diagram of super heterodyne radio receiver and explain function of each block. [6]
- OR**
- Q-4 List basic functions of AM receiver and explain each in detail. [6]
- Q-5 Give an account of composite video signal. [6]
- OR**
- Q-5 Give an account of image orthicon camera tube. [6]



Extra copy