

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

INTERANAL EXAM

T.Y.B.Sc.(SEM-V) ELECTRONICS

SUB: - Electronics

SUB CODE: US05CELE06

DATE:-10/10/2019

TIME: 11:00 pm to 12:15 pm

MARKS-25

Q-1 Choose correct answer [05]

1. Single transistor working as mixer and local oscillator is called _____.
(A) convertor (C) local oscillator
(B) mixer (D) None of above
2. IF frequency in case of super heterodyne receiver is _____.
(A) 455 khz (C) 50 hz
(B) 255 khz (D) None of above
3. The problem of flicker is solved by _____ type of scanning.
(A) interlaced (C) blanking
(B) normal (D) None of above
4. In TV communication video signal is _____ modulated.
(A) AM (C) phase control
(B) FM (D) None of above
5. In TV communication sound signal is _____ modulated.
(A) AM (C) phase control
(B) FM (D) None of above



Q-2 Draw the block diagram of super heterodyne receiver and explain it. [05]

OR

Q-2 Give classification of radio receiver and explain each in brief. [05]

Q-3 Draw a neat circuit of RF amplifier and explain it. [05]

OR

Q-3 (A) Draw a schematic diagram of frequency mixer and explain it in brief. [03]

(B) Draw the circuit of linear diode detector. [02]

Q-4 Explain scanning and interlace scanning also define aspect ratio. [05]

OR

Q-4 Draw a neat diagram of image orthicon and explain in brief. [05]

Q-5 Draw the block diagram of B/W TV receiver. [05]

OR

Q-5 List different types of interstage coupling in TV and explain any one. [05]