

VITHALBHAI PATEL & RAJRATNA P.T. PATEL SCIENCE COLLEGE
VALLABH VIDHYANAGAR

INTERNAL TEST

T.Y.B.Sc. SemVI
Sub Code : US06CINV06
Sub. : Instrumentation Vocational

Date :11th March, 2017
Time : 11:00 am to 12:30 pm
Total Marks : 25

Q.1 Choose the correct answer (3)

- (1) In Amplitude modulation process the _____ of carrier is constant .
(a) Frequency (b) Phase
(c) Amplitude (d) None of the above
- (2) The problem of flicker is solved by _____ scanning.
(a) Interlaced (b) Rectangular
(c) No scanning (d) None of these
- (3) _____ colour of mixing is used in colour TV
(a) Additive (b) Subtractive
(c) Multiplicative (d) none of these



Q.2 Answer the following in short (Any two) (4)

- (1) Explain frequency modulation drawing necessary wave Form
(2) What is Aspect Ratio
(3) List different types of colour mixing & explain any one in brief.

Q.3 Give an account of Amplitude modulation. (6)

OR

Q.3 Draw the block diagram of Super Hetrodyne Radio receiver & explain function of each block. (6)

Q.4 Draw the block diagram of black & white TV receiver and explain working of each block in brief. (6)

OR

Q.4 Draw the block schematic arrangement of colour TV camera and explain its working. (6)

Q.5 Give on account of image orthicon tube. (6)

OR

Q.5 Give an account of composite video signal. (6)