

Enrollment no:

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LDRP INSTITUTE OF TECHNOLOGY AND RESEARCH GANDHINAGAR
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
B.E. 6th SEMESTER
MID SEMESTER EXAMINATION FEBRUARY-2015

Subject Code: EC-605

Subject Name: Audio Video System

Date: 04/03/2015

Branch: EC

Total Marks: 30

Time: 12.00 AM to 01.30 AM

Que.1 Answer the followings.

- (A) India uses _____ color system. (01)
(A) NTSC (B) PAL (C) SECAM (D) None of the above
- (B) In PAL system, phase of (R-Y) signal is changed every alternate line by _____. (01)
(A) 90 (B) 180 (C) 270 (D) 360
- (C) Active period for one horizontal scanning line is (01)
(A) 64 μ s (B) 12 μ s (C) 32 μ s (D) 52 μ s
- (D) In television system for video transmission _____ modulation & for audio transmission _____ modulation is used. (01)
(A) AM,AM (B) FM,AM (C) AM,FM (D) FM,FM
- (E) Sound is a _____ wave motion. (01)
(A) longitudinal (B) transverse (C) electromagnetic (D) pulse
- (F) The unit of pitch is _____. (01)
(A) sone (B) phon (C) mel (D) meter

Que.2 Answer the following questions.

- (A) Draw and explain the block diagram of color TV receiver. (06)
- (B) Draw and explain composite video signal. (06)
- OR**
- (A) What do you understand by interlaced scanning? How it reduces flicker? (06)
- (B) Explain PAL encoder and explain how the phase error is cancelled in PAL system? (06)

Que.3 Answer the following questions.

- (A) Write down a short note about moving coil microphone. (06)
- (B) Explain at least 3 requirements of a good microphone. (03)
- (C) Why (G-Y) is not chosen for transmission? (03)
- OR**
- (A) Write down a short note about carbon microphone. (06)
- (B) Explain the following terms pertaining to sound. (03)
(1) Interval (2) Octave (3) Harmonics
- (C) Explain compatibility. (03)