

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name: Audio Video Engineering

Subject Code: 4TE06AVE1

Branch: B.Tech (EC)

Semester: 6

Date: 27/04/2018

Time: 02:30 To 05:30

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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- Q-1 Define the following terms: (14)**
- a) Pitch.
 - b) Timbre.
 - c) Directivity of a microphone.
 - d) Reverberation.
 - e) Echoes.
 - f) Aspect Ratio.
 - g) Brightness.
 - h) Saturation.
 - i) Luminance.
 - j) HUE.
 - k) Resolution.
 - l) Public Address System.
 - m) Overtone.
 - n) Phon.

Attempt any four questions from Q-2 to Q-8

- Q-2 Attempt all questions (14)**
- (a) Draw the block diagram of PAL-D colour television receiver and explain it in detail.
 - (b) Write the principle of loudspeake. Describe the characteristics that decides quality of operation of loudspeaker
- Q-3 Attempt all questions (14)**
- (a) List the microphones used in audio devices and explain any two in detail.
 - (b) Explain the block diagram of PAL – D decoder.



