

Seat No.	
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B.E. (E & TC Engineering) (Semester - VIII) (Old)
Examination, November - 2017
AUDIO AND VIDEO ENGINEERING
Sub. Code: 49516

Day and Date : Wednesday, 01 - 11 - 2017
Time : 10.00 a.m. to 1.00 p.m.

Total Marks : 100

- Instructions :**
- 1) All questions are compulsory.
 - 2) Figure at right indicates full marks.
 - 3) Use of scientific calculator is allowed.
 - 4) Assume suitable data wherever necessary.

Q1) Solve any two questions. [16]

- a) Explain MP3 player and MPEG player.
- b) What are the types of loudspeakers? Illustrate any one of them.
- c) What is reverberation? Explain use of reverberation

Q2) Solve any two questions. [16]

- a) Draw and explain composite video signal.
- b) Explain interlaced scanning.
- c) State CCIR- B standards for Television Systems.

Q3) Solve any two questions. [18]

- a) Explain picture tube Purity & Convergence techniques.
- b) Explain low level IF modulated TV transmitter.
- c) Explain SECAM coder and Decoder.

Q4) Solve any two :

[2×8]

- a) Compare DVB standards.
- b) Explain LCD technology.
- c) Write about JPEG std.

Q5) Solve any two :

[2×8]

- a) Explain PLASMA colour receiver and its distinguishing features.
- b) What are parameters of HDTV system.
- c) Clarify duobinary encoding.

Q6) Solve any three :

[3×6]

- a) Explain satellite TV.
- b) Give details of DTH Receiver.
- c) How Plasma TV display works.
- d) Explain CCTV.

