

Total No. of printed pages = 2

Et-601/CE&M/6th Sem/2015/M

**CONSUMER ELECTRONICS AND
MAINTENANCE**

Full Marks – 70

Pass Marks – 28

Time – Three hours

The figures in the margin indicate full marks
for the questions.

Answer any *five* questions.

1. What is a loudspeaker? Compare EMMC loudspeaker with PMMC loudspeaker. Explain with neat sketch the working principle of any one type of loudspeaker. 1+3+10=14
2. What do you mean by sensitivity, selectivity and fidelity? Draw the block diagram of a super heterodyne radio receiver and explain each block. 3+3+8=14
3. Draw the block diagram of an audio tape recorder/replay system and explain clearly the function of each block. 14.

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4. (a) Explain tape transport mechanism with neat sketch.
- (b) Describe the constructional details of Yagi Uda antenna. $7+7=14$
5. What are the functions of balance, bass and treble control in audio stereo system? Draw the block diagram of an audio stereo system and explain each block. $6+8=14$
6. Draw the block diagram of a monochrome T.V receiver and explain the function of each block. 14
7. Write short notes on any *two* : $7 \times 2 = 14$
- (a) Washing machine
- (b) Microphone
- (c) C.D player
- (d) Microwave oven
- (e) VCR.