

CBSE Question Paper – 2010

TELEVISION AND VIDEO SYSTEMS

(Theory) paper III

Class – XII

Time allowed: 3 hour

Maximum Marks: 40

Instructions: Attempt all questions.

1. Give values of

- (a) Aspect ratio,
- (b) Frame frequency,
- (c) Field frequency &
- (d) Line frequency

According to Indian standards.

2. Draw waveforms of composite video signal at the end of even and odd fields.

3. With the help of a block diagram, explain the functions of different stages in a T.V. Transmitter.

Other Educational Websites:

ICSEGuess.com | NIOSGuess.com | IGNOUGuess.com | IITGuess.com | MagicSense.com | AIPMTGuess.com |
AIEEEGuess.com | IndiaGuess.com

4. Draw circuit diagram of video amplifier stage of a T.V. receiver and explain its working.
5. For the given symptoms, identify the faulty stage and suggest remedy
 - (a) Sound O.K. raster O.K. but no picture
 - (b) Picture O.K., but no sound
 - (c) No raster, no sound
 - (d) Only a horizontal line on screen, sound O.K.
 - (e) Negative picture, sound O.K.
6. Draw constructional sketch of a delta gun colour picture tube and explain its working.
7. With the help of block diagram explain the working of a PAL T.V. receiver.
8. Explain the principle of video recording on magnetic tape.

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