

Q.2 a. Explain with a neat diagram, television broadcasting system?

Answer: Page 4 to 5 of Text Book 1

b. What is the function of blanking pulses and explain horizontal and vertical blanking?

Answer: Page 33 of Text Book 1

Q.3 a. Explain the precaution to be taken in Television picture tubes.

Answer: Page 95 of Text Book 1

b. Explain the magnetic deflection in a picture tube.

Answer: Page 85 to 87 of Text Book 1

Q.4 a Explain:

(i) Pincushion distortion

(ii) Barrel distortion

(iii) Trapezoidal distortion

Answer: Page 131 to 132 of Text Book 1

b. Explain the synchronizing pulses.

Answer: Page 133 to 134 of Text Book 1

Q.5 a. With a block diagram, explain how the picture information is decoded.

Answer: Page 175 to 176 of Text Book 1

b. Explain the working of Additive Colour Mixture and Color Voltages.

Answer: Page 165 of Text Book 1

Q.6 b. How is the 3.58 MHz modulated chrominance signal transmitted to the receiver? Why is the 3.58 MHz signal called a subcarrier?

Answer: Page 173 of Text Book 1

Q.7 a. Explain resolution wedges in the test pattern.

Answer: Page 199 to 200 of Text Book 1

b. Explain tests for ringing in the picture.

Answer: Page 200 to 201 of Text Book 1

Q.8 a. Explain the working of chroma section with a neat block diagram.

Answer: Page 341 to 344 of Text Book 1

b. Explain the function of colour killer circuit.

Answer: Page 347 to 348 of text Book 1

Q.9 a. Explain the process of TV receiver servicing.

Answer: Page 414 to 415 of text Book 1

b. Explain sound interference in the picture.

Answer: Page 428 of text Book 1

Text Book

Basic Television and Video systems by Bernard Grob Fifth Edition.