Code: R7410406

R7

B.Tech IV Year I Semester (R07) Supplementary Examinations, May 2013

TELEVISION ENGINEERING

(Electronics and Communication Engineering)

Time: 3 hours Max Marks: 80

Answer any FIVE questions

All questions carry equal marks

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1 (a) Explain how flicker can be eliminated in interlaced scanning.
(b) Explain the following colour characteristics:
(i) Saturation. (ii) Luminance. (iii) Chrominance.

2 (a) Explain TV transmitting antennas.
(b) Explain vestigial sideband transmission used in television.

3 Explain silicon diode array vedicon camera tube with neat diagram. How it differs from vedicon camera tube?

4 (a) Explain 625 – B monochrome TV standards.
(b) With a neat sketch explain about working of monochrome picture tube.

5 (a) With the relevant diagrams explain about the separation of U and V colour phasors in PAL-D colour receiver.
(b) Explain about functioning of deflection circuits.

6 (a) Explain faster-seely discriminator for FM sound detector.
(b) Write notes on remote control of receiver functions.

7 (a) Explain working of U V demodulators.
(b) Explain in detail about 180º PAL switch.

8 (a) Explain direct to home satellite TV system.
(b) What is the importance of AFC? Explain the working of single ended AFC.

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