SARDAR PATEL UNIVERSITY



B.Sc. (5th Semester) Examination Electronics

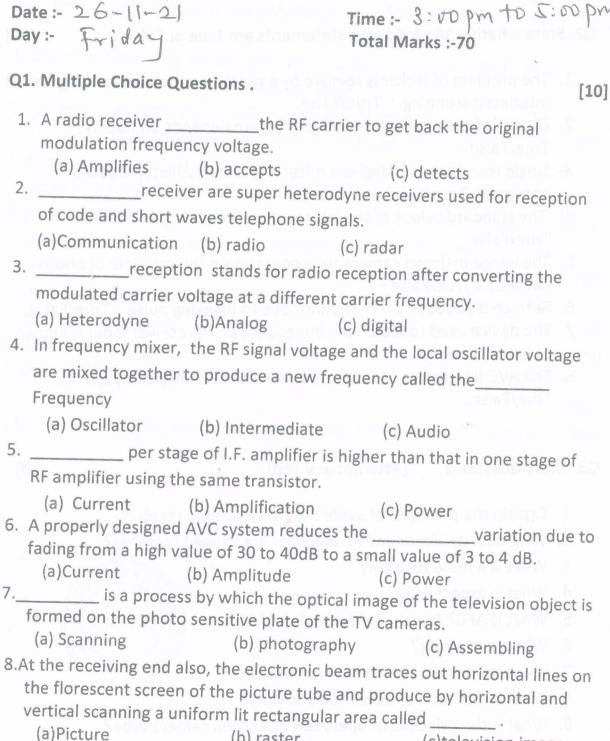
US05CELE24- Analog Communication



(c)television image

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(b) raster

9. The RF tuner through	the use of isola	ites the local oscillator from
the antenna.		
(a)IF amplifier	(b) RF amplifier	(c)Frequency mixer
10. If traps are design to	provide attenu	uation to unwanted signals.
(a) 80db	(b)100db	(c)20db

Q2. State whether the following statements are True or False.

[80]

- 1. The problem of flicker is remove by a special method of scanning called interlaced scanning. True/False.
- 2. Quality of the reproduced sound program depends on fidelity. True/False.
- 3. Single transistor working as a mixer and local oscillator is called converter .True/False.
- 4. The standard values of the intermediate frequency is 456KHz. True/False
- 5. The image orthicon camera tube operates on the principle of photo emission . True/False
- 6. Retrace is not seen on TV monitor due to Blanking pulse. True/False.
- 7. The device used to match the impedance at TV receiver input is known as balun .True/False.
- 8. The AVC filter is used to remove the audio fequency components. True/False.

Q3. Short Questions [Attempt any Ten]

[20]

- 1. Explain the principle of super heterodyne radio receiver.
- 2. Why local oscillator and RF amplifier are ganged together?
- 3. What is a radio receiver?
- 4. What is aspect ratio?
- 5. What is AFC? Explain the principle of AFC.
- 6. What is scanning?
- 7. What is function of television camera tube?
- 8. What is the need of interlaced scanning?
- 9. What is the principle of operation of Vidicon camera tube?





10. What are the basic requirements of video IF amplifier used in TV receiver?

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- 11. What is RF tuner?
- 12. What is Balun?

Q4.Long Answer Questions [Attempt any four]

