

QUESTION BANK

SUB: - EIM

COURSE: - IS/IE/EJ

Attempt any Three.

- a) Draw the block diagram of LCR- Q meter..
- b) Define a. rise time b. fall time c. settling time d. overshoot (any three).
- c) Explain time & frequency domain analysis.
- d) Draw labeled diagram Of CRT.

. Attempt any Two.

- a) Draw block diagram of linear ramp type DVM and explain its working.
- b) State the procedure for measurement of following parameter using CRO.(lissajous pattern)
 1. Phase
 2. Frequency
- c) Sketch neat labeled block diagram of function generator & explain.

Attempt any Two.

- a) Draw the diagram of vertical deflection system used in CRO & explain it.
- b) Draw & Explain the spectrum analyzer.
- c) State any four specification of DMM

Chapter 3 (24 Marks)

1. Draw block diagram of linear ramp type DVM and explain its working.
2. Draw block diagram of Staircase ramp type DVM and explain its working.
3. Draw & explain block diagram of dual slope type DVM.
4. Draw the block diagram of digital phase meter & describe its operation.
5. State any four specification of DMM.
6. Draw the block dia. of LCR- Q meter.

Chapter 5 (24Marks)

7. Draw the block dia. Of CRO & explain its working
8. Draw labeled dia. Of CRT.
9. Draw the diagram of vertical deflection system used in CRO & explain it.
10. State the role of time base generator in CRO.
11. Draw the block dia. Of Dual Trace CRO.
12. Draw the block dia. Of Dual Beam CRO. & compare with single beam CRO.
13. Give the comparison between Dual trace & Dual beam CRO.
14. Draw the block dia. Of Digital storage CRO.
15. State the procedure for measurement of following parameter using CRO.(lissajous pattern)
 2. Phase
 3. Frequency
16. Give the Specification of CRO(any six)
17. Explain the CRO probe. Give types of CRO.

Chapter 6 (20Marks)

18. Explain the two requirement of signal generator.
19. Draw block diagram of RF/AF signal generator & explain its operation.
20. Sketch neat labeled block diagram of function generator. & explain.
21. Draw the characteristics of a pulse generator.
22. Define a. rise time b. fall time c. settling time
23. Explain time & frequency domain analysis.
24. Explain the spectrum analyzer.
25. Explain the logic analyzer.

