

Question Bank (I- scheme)

Name of Course: CONSUMER ELECTRONICS

Unit Test: I

Course code: (22425)

Course -CEL

Semester:IV

Programme : EJ

Chapter 1: AUDIO FUNDAMENTALS (8M)

2 marks

1. Define troubleshooting. State the steps in troubleshooting.
2. Compare between stereo and mono amplifier
3. State different characteristics of sound.
4. State the advantages of crystal microphone.
5. State different characteristics of loudspeaker.

4 marks

6. State different types of microphones and explain any one of them in detail.
7. State different types of loudspeakers and explain any one of them in detail.
8. Compare woofer, midrange & tweeter.
9. Define audio amplifier. State its type. Draw its frequency response.

Chapter 2 : AUDIO SYSTEMS (12M)

2 marks

10. List the motors used in CD player .
11. State different types of CD player.
12. Describe the working of CD pick-up assembly.
13. State the features of home theater system.
14. List the different lenses used in CD mechanism.

4 marks

15. Draw and explain the block diagram of PA system.
16. Draw and explain block diagram of MP3 player.
17. Draw & Explain block diagram of Hi-Fi amplifier
18. Draw block diagram of CD player

Chapter 3: TV FUNDAMENTALS AND TRANSMITTER (16M)

2 marks

19. Define 1) Horizontal scanning 2) Vertical scanning
20. List CCIR-B standards for colour signal transmission.
21. Define 1) Aspect ratio 2) Brightness

4 marks

22. Compare between additive and subtractive mixing (4points)
23. Explain how BW is reduced from 11.25MHz to 7MHz using diagram
24. Draw composite video signal and label it.
25. Explain interlaced scanning used in TV transmission

