

Question Bank (G scheme)

Name of subject : AUDIO VIDEO ENG.

Subject code : 17537

Semester : 5TH

Unit Test :I

Course : EJ5G

Chapt1:HIFI AMPLIFIER (12M)

3 marks

1. Draw basic block diagram of mono amplifier.
2. Compare between stereo and mono amplifier (3 point)
3. What is the function of bass control and treble control in Hi-Fi amplifier
4. Draw block diagram of basic Dolby B system
5. List the different types of speakers with frequency range

4 marks

6. State need of graphic equalizer & explain with diagram
7. List various controls of Hi-Fi amplifier, write down function of each
8. Draw the response of woofer, midrange & tweeter & write the function of crossover network
9. Draw & Explain block diagram of Hi-Fi amplifier

Chapt 2 :CD PLAYER(12M)

3 marks

10. List the motors used in CD player
11. Write down any three advantages of CD
12. Draw construction of CD with dimensions
13. List any three differences between CD & LP records
14. State any three advantages of florescent display

4 marks

15. State the principle of pick-up assembly in CD player with diagram
16. Draw & Explain motors used in CD player
17. Draw CD player remote & label all controls
18. Describe block diagram of CD player

Chapt 3:TV FUNDAMENTALS (20M)

3 marks

19. Define 1) Horizontal scanning 2) Vertical scanning 3) Viewing distance
20. List advantages & disadvantages of VSB
21. Define 1) Aspect ratio 2) Brightness 3) interlaced scanning

4 marks

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

(NOTE:

1. MINIMUM 25 QUESTION
2. QUESTION NO MUST BE IN CONTINUATION
3. 50% SYLLABUS IN NEACH UNIT TEST
4. FORMAT AND FONT SIZE SHOULD BE SAME)