

Department of Physics
Home Assignment 01(Applied Analog Electronics - II, PHS404B.1)
2020

Full Marks – 20

1. Find the frequency of Picture Carrier and Sound carrier for channel 5 of CCIR system-B BW TV transmission. 2

2. What do you mean by interlaced scanning and why this is incorporated in TV system? 3

3. What is the difference between even field and odd field? 2

4. Draw the timing details of a horizontal blanking pulse and indicate the names of different portions. 3

5. How horizontal sync pulses and vertical sync pulses are separated from composite video signal? 3

6. What do you mean by vestigial side band modulation and why this is used for picture signal transmission in Indian TV system? 1+2

7. What are the advantages of FM over AM? 4
