

S.B. Roll No.....

**AUDIO VIDEO SYSTEMS**  
**5<sup>th</sup> Exam/ECE/2615/Jan'2022**  
**(FOR 2018 BATCH ONWARDS)**

**Duration: 1.15Hrs.**

**M.Marks:25**

**SECTION-A**

**Q1. Attempt any three questions.**

**5x3=15**

- i. What a CCTV? Discuss its applications.
- ii. What do you mean by Crossover Network? What is the need of crossover network?
- iii. What is SECAM color system? Explain with the help of diagram.
- iv. List the characteristic of loudspeaker.
- v. What is the difference between additive and subtracting mixing of colors?
- vi. Write a short note on LED TVs.
- vii. What are the features of DTH system?

**SECTION-B**

**Q2. Attempt any one question.**

**1x10=10**

- a. Explain the working principle of Moving coil microphone with the help of neat sketch. Give typical values, parameters and applications.
- b. Write a short note on: i) MPEG-x format                      ii) H.26x format
- c. Explain the principle and working of a) Digital camera b) DTT
- d. Draw and explain the construction and working of Vidicon Camera Tube.