

S.B. Roll. No.....

AUDIO VIDEO SYSTEMS
5th Exam/ECE/2615/Jun'2022
(For 2018 Batch Onwards)

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Do as directed.

15x1=15

- a. NTSC stands for_____.
- b. Write full form of LED and LCD.
- c. Name the cheapest microphone?
- d. CCTV Stands for_____.
- e. Loudspeaker can convert _____ signal into _____.
- f. What are primary colours?
- g. Write basic principle of Microphone.
- h. What is scanning in TV?
- i. Name any two camera tubes.
- j. Write full form for DTH and DTT.
- k. Expand CATV.
- l. What are backlit LED's?
- m. LCD televisions are called _____display.
- n. In _____, LED's are arranged along the edge of the panel.
- o. _____ type of loudspeaker is used in public address system.

SECTION-B

Q2. Attempt any six questions.

6x5=30

- i. What do you mean by synchronization in TV?
- ii. Write a short note on horn type loudspeaker.
- iii. List characteristics of idle microphone.
- iv. What are primary and secondary colours?
- v. How Vidicon camera tube works?
- vi. Explain LCD matrix types and its operation.
- vii. How DTH works?
- viii. What is the basic TV communication system?
- ix. Explain MPEG-x format.

SECTION-C

Q3. Attempt any three questions.

3x10=30

- a. Explain construction & working principle of Direct radiating Loudspeaker. Write down its advantages.
- b. Compare NTSC, PAL & SECAM system.
- c. Explain principle and working of LED TV.
- d. Compare Plasma TV and LCD TV.
- e. Write short note on any two i) Multi Speaker System ii) DTT iii) CCTV