

A-1061

Total Pages : 3

Roll No. -----

CCRT-101

**Community Radio System and
Transmission Technology**

Certificate in Community Radio Technology

1st Semester Examination 2024 (June)

Time: 2:00 hrs

Max. Marks: 100

Note : This paper is of Hundred (100) marks divided into Two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

P.T.O.

Section-A (Long-Answer-Type Questions)

Note : Section 'A' contains Five (05) long-answer-type questions of Twenty Six (26) marks each. Learners are required to answer any Two (02) questions only.

[2x26=52]

- Q.1. Discuss the history of radio broadcasting in India? Explain the concept and role of CRS. Name some of the CR initiative. [26]
- Q.2. What do you mean by freedom of speech? Describe how to plan the utilization of the available space for the various tasks in a CRS. [26]
- Q.3. "In any enclosed space, recording audio faces two challenges: ambient noise; and echo/reverberation". How can we ignore unwanted sound? Justify your answer. [26]
- Q.4. Describe different types of FM antenna used for CRS transmitters, their features and the coaxial cable used to connect with the transmitter. [26]
- Q.5. Elaborate the steps involved in set-up of a FM-Transmitter. [26]

Section-B (Short-Answer-Type Questions)

Note : Section 'B' contains Eight (08) short-answer-type questions of Twelve (12) marks each. Learners are required to answer any Four (04) questions only. [4x12=48]

- Q.1. What are the advisories on content and technical issues related to community radio? [12]
- Q.2. Differentiate between indigenous and imported equipment. [12]
- Q.3. Explain a simple 3 studio CRS With the help of a neat diagram. [12]
- Q.4. With the help of a diagram describe the schematic overview of the production studio. [12]
- Q.5. List and describe various components of a transmission chain. [12]
- Q.6. With the help of a block diagram explain various components of a FM transmitter. [12]
- Q.7. Discuss various issues related to ventilation and connectivity. [12]
- Q.8. Why connectors are called as weak links in transmission chain? Explain. [12]
