

S-1019

Total Pages : 4

Roll No.

CCRT-101

Community Radio System and Transmission Technology

Certificate in Community Radio Technology (CCRT)

1st Semester Examination, 2022 (Dec.)

Time : 2 Hours]

Max. Marks : 100

Note : This paper is of Hundred (100) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

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.

(2×26=52)

1. Explain the following ;

(a) Role of model community radio station.

(b) Emergence of private Radio sector.

[26]

2. (a) Shortly define the evolution of Community Radio in India. [13]
- (b) Describe the role of Community Radio in social change. [13]
3. Describe any *two* from the following :
- (a) Radio Spectrum.
- (b) Frequency Bands for Radio Broadcasting.
- (c) Radio Broadcasting in India.
- (d) Electrical Basics (Electrical Current, Voltage and Power) [26]
4. (a) Why are transmission standards necessary in FM broadcasting? [13]
- (b) Explain the procedures for measurement of field strength. [13]
5. (a) Briefly describe the components of a Community Radio Station. [13]
- (b) Overview the programme production process of a Community Radio Station. [13]

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.

(4×12=48)

1. Describe the alternative sources of energy to smooth functioning of a Community Radio Station. [12]
2. What is the role of community participation in community radio? Explain. [12]
3. Define the role of regulatory bodies in reference to broadcasting in India. [12]
4. Briefly describe the sources of power backup. And, also explain the need of voltage stabilisation in a Community Radio Station. [12]
5. Shortly explain the components of transmission chain in reference to Community Radio Station broadcasting. [12]
6. Explain the principles of FM transmission. [12]
7. Describe the basic characteristics of amplitude, frequency and wavelength. [12]

8. Write a short note on any *four* from the following (Word limit for each not more than 50) :

- (a) Microphone.
- (b) Acoustic treatment.
- (c) Echo.
- (d) Broadcast studio.
- (e) Production studio.
- (f) Input transducer.

[12]
