

S-1020

Total Pages : 3

Roll No.

CCRT-102

Community Radio Production: System and 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. (a) Explain the Pitch and Volume as a components of Sound. [13]
- (b) What do you understand by the proximity effect? Explain. [13]

2. (a) Describe the Mono and Stereo Sound. [13]
(b) Briefly define various types of Microphones. [13]
3. (a) List the necessary hardware requirement for audio recording. [13]
(b) Explain the various audio file types/ formats with their key features. [13]
4. Briefly define the good engineering practices to setup a community Radio Studio. [26]
5. Explain the techniques of handling various tools available in Community Radio Studio. [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.

(4×12=48)

1. What do you understand by Analog and Digital audio? Explain. [12]
2. Explain the following types of microphones, *i.e.* Orni-directional microphones, Uni-directional microphones, and Bi-directional microphones. [12]

3. List the necessary equipments for programme production. [12]
 4. Briefly explain the following (Not more than 50 words)-
i.e. (i) Jitter (ii) Dither (iii) Bit Error Rate (iv) Quantization. [12]
 5. Describe various alternative platforms available for publishing and broadcasting. [12]
 6. What do you mean by studio acoustics and explain behaviour of sound wave on striking wall? [12]
 7. Describe the historic and philosophical, background of the open source movement. [12]
 8. What do you mean by preventive and corrective maintenance? Explain. [12]
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