



**III SEMESTER B.TECH. (MEDIA TECHNOLOGY)**

**END SEMESTER EXAMINATIONS, 2021**

**SUBJECT: AUDIO VIDEO STUDIO [MED 2151]**

**REVISED CREDIT SYSTEM**  
**( / / 2021)**

Time: 3 Hours

MAX. MARKS: 50

**Instructions to Candidates:**

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitable assumed.

- Q.1 A** With the help of neat, labelled diagram, explain the layout of video studio. **4**
- Q.1 B** Explain the following factors considered while putting a price on a studio. **3**
- a. Location                                      b. Studio dimensions                                      c. People connection
- Q.1 C** Explain the selection criterion for audio interface in recording studio. **3**
- Q.2 A** Draw a neat, labelled diagram of radio studio. Also explain the types of operations in radio studio. **4**
- Q.2 B** Explain the fire risk assessment to be done in the studio. **3**
- Q.2 C** Explain the following elements of acoustic treatment. **3**
- a. Porous absorbers                                      b. Resonant absorbers                                      c. Acoustic panels
- Q.3 A** Explain the structure of studio monitor. Also explain following types of studio monitors. **4**
- a. Active monitor                                      b. Passive monitors
- Q.3 B** With the help of neat, labelled diagram explain the types of noise occurred in HVAC system. **3**

- Q.3 C** Explain the following methods of cueing. **3**
- a. Cue cards                      b. Teleprompter                      c. Camera tally lights
- Q.4 A** Explain the following hand cues. **4**
- a. Speed up                      b. Stretch                      c. Closer                      d. Walk
- Q.4 B** With respect to reflection of sound, explain the following phenomenon. **3**
- a. Standing waves                      b. Comb filtering                      c. Reverberation
- Q.4 C** Explain the common causes and consequences of fire. **3**
- Q.5 A** List the responsibilities of following staff. **4**
- a. Audio Engineer    b. Floor manager    c. Audience co-ordinator    d. You-tube channel manager
- Q.5 B** Explain the advantages of the virtual studio. **3**
- Q.5 C** Explain the following equipment. **3**
- a. Teleprompter                      b. Camera pedestal                      c. Tripod dolly