

**2/H-82 (iv) (Syllabus-2018)**

**2 0 2 2**

**( May/June )**

**MEDIA TECHNOLOGIES**

**( Honours )**

**( Sound for Media—I )**

**( MT-202 )**

**( Under Revised Syllabus )**

**Marks : 38**

**Time : 3 hours**

*The figures in the margin indicate full marks  
for the questions*

**1. Write short notes on the following :      2×4=8**

- (a) Pitch and timbre**
- (b) Condenser microphone**
- (c) Diegetic music and SFX**
- (d) Equalizers and filters**

2. What is digital audio? Explain the process of analogue to digital conversion (A/DC). Give the advantages of this new technology.

$$1+4+2\frac{1}{2}=7\frac{1}{2}$$

Or

Why is radio called the theatre of the mind?

Explain the role of dialogue, music and sound effects in audio production.

$$1\frac{1}{2}+6=7\frac{1}{2}$$

3. How is sound produced? Explain the dual nature of sound with example. Define the different characteristics of a sound wave and the medium in which it can travel.

$$1+2\frac{1}{2}+4=7\frac{1}{2}$$

Or

What is acoustics? How will you acoustically treat a room? What are the various types of absorbers used in acoustic treatment?

$$1+3\frac{1}{2}+3=7\frac{1}{2}$$

4. What are the two important elements that are used in designing a microphone? Explain the construction and operation of a dynamic microphone with the help of a diagram. Write the three advantages of a wireless microphone.

$$1+4+2\frac{1}{2}=7\frac{1}{2}$$

Or

What is a loudspeaker? Mention the different types of loudspeakers that are available. Differentiate between a mono, stereo and 5.1 surround sound.

$$1+2\frac{1}{2}+4=7\frac{1}{2}$$

5. Describe the studio sound chain and its various components highlighting the importance of an audio mixer. What are the technical aspects as well as the creative aspect that govern the quality of audio recording?

$$4+3\frac{1}{2}=7\frac{1}{2}$$

Or

State the importance of equalizer in audio recording. What are the different types of EQ? What are the different types of audio connectors?

$$2+2\frac{1}{2}+3=7\frac{1}{2}$$

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