

4/E-83 (xi) (Syllabus-2015)

2017

(April)

MUSIC

(Elective)

(Sound of Music)

[MUS (E)-403]

Marks : 38

Time : 2 hours

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

Answer **one** question from each Unit

UNIT—I

1. What is sound and how sound is propagated? Explain the dual nature of sound with example. Define the different characteristics of a sound wave and the medium in which it can travel. $1\frac{1}{2}+3+5=9\frac{1}{2}$
2. Differentiate between echo and reverberation. How will you acoustically treat a room? What is absorbent coefficient? What are the various types of absorbers used in acoustic treatment? $2+1\frac{1}{2}+1+5=9\frac{1}{2}$

(Turn Over)

(2)

UNIT—II

3. What do you mean by threshold of hearing and threshold of pain? Explain the different role played by the parts of the human ear in the process of hearing with a neat diagram. What is dynamic range? $2+6+1\frac{1}{2}=9\frac{1}{2}$
4. What is a microphone? Classify a microphone according to its built and structure. Mention the different kinds of directional responses that are available. $2+6+1\frac{1}{2}=9\frac{1}{2}$

UNIT—III

5. What is balanced and unbalanced cable? Explain in detail the different types of audio connectors that are available. Differentiate between analog audio and digital audio. $2+5\frac{1}{2}+2=9\frac{1}{2}$
6. Explain in detail the various components that make up a sound recording chain. What are the technical aspects as well as the creative aspects that govern the quality of audio recording? $6+3\frac{1}{2}=9\frac{1}{2}$

D72/1534

(Continued)

(3)

UNIT—IV

7. State the importance of equalizer in audio recording. What are the different types of equalizer? Differentiate between a mono, stereo and three 5.1 surround sound. $2+5+2\frac{1}{2}=9\frac{1}{2}$
8. Explain the difference between a track and a channel. What is an audio mixer? Describe the various functions of an audio mixer with a neat sketch. $2+2+5\frac{1}{2}=9\frac{1}{2}$

D72—100/1534

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