



BRAINWARE UNIVERSITY

Term End Examination 2023
Programme – B.Sc.(AM)-Hons-2021
Course Name – Sound Designing
Course Code - BMMS401
(Semester IV)

LIBRARY
Brainware University
Barasat, Kolkata -700125

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

(i) Select What is the shortcut to edit audio waveforms in Adobe Audition?

- | | |
|-------------|-------------|
| a) Ctrl + C | b) Ctrl + P |
| c) Ctrl + E | d) Ctrl + I |

(ii) Distinguish AM _____

- | | |
|---------------------------|---------------------|
| a) Amplitude Manipulation | b) Amplitude Motion |
| c) Amplitude Modulation | d) None |

(iii) Classify the maximum displacement of a particle of sound from its mean or equilibrium position.

- | | |
|---------------|--------------|
| a) Wavelength | b) Decibel |
| c) Amplitude | d) Frequency |

(iv) Select the option for Ultrasonic Sound

- | | |
|-----------|-----------|
| a) 20 MHz | b) 20 GHz |
| c) 20 Hz | d) None |

(v) Choose The Volume level at the Point of Equilibrium =

- | | |
|------------|-----------|
| a) 0 db. | b) 10 db. |
| c) -10 db. | d) None |

(vi) Choose the Lossy Audio format?

- | | |
|---------------|---------|
| a) .aac | b) .wav |
| c) Intonation | d) None |

(vii) Defined as the number of complete oscillations or vibrations in a second performed by a particle of sound in the path of the wave is called

- | | |
|---------------|----------------|
| a) Wavelength | b) Sample Rate |
| c) Frequency | d) None |

(viii) Identify the Human audible range.

- | | |
|------------------------|------------------------|
| a) 20 Hz to 20000 Hz | b) 20 MHz to 20000 MHz |
| c) 20 GHz to 20000 GHz | d) 200 Hz to 20000 Hz |

- (ix) Identify Sound below 20 Hertz
- a) Sub sonic
c) Super sonic
- b) Ultrasonic Sound
d) Infrasonic Sound
- (x) Define 20 Hz to 20000 Hz sound.
- a) Ultrasonic Sound
c) Human Audible range
- b) Infrasonic Sound
d) Bat's audible range
- (xi) Choose electronic amplifier that converts a weak electrical signal into an output signal strong enough to be noise-tolerant and strong enough for further processing.
- a) Loudspeaker
c) Intonation
- b) Microphone
d) Sound Card
- (xii) Choose the sound overshadows another sound in such a way that we cannot hear the second sound.
- a) Sampling
c) Intonation
- b) Over Shadow
d) Masking
- (xiii) Choose the final step of audio post-production.
- a) Fostering
c) Intonation
- b) Designing
d) None
- (xiv) Distinguish the following professional creates the realistic ambient sounds for film and video productions.
- a) Sound Engineer
c) Intonation
- b) Sound Editor
d) Foley Artist
- (xv) Distinguish the audio advertisement comprising of dialogues.
- a) Jingle
c) Intonation
- b) Spot
d) None

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Define Diegetic sound. (3)
3. Explain about Bit Depth. (3)
4. Explain about sample rate. (3)
5. Explain Human hearing range. (3)
6. Explain synchronous sound effects. (3)

OR

Explain about the Reverb effect. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Explain Amplitude and Compression. (5)
8. Explain paste to new and copy to new option. (5)
9. Explain the difference between Diegetic and Non Diegetic Sound. (5)
10. Define SFX sound. (5)
11. Discuss Noise removal technique. (5)
12. Discuss the difference between Single track Editing and Multi-track editing. (5)

OR

Explain Sound panning. (5)
