



BRAINWARE UNIVERSITY

Term End Examination 2023-2024
Programme – B.Sc.(AM)-Hons-2022
Course Name – Sound Designing
Course Code - BMMS401
(Semester IV)

Full Marks : 30

Time : 1:30 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 5=5

1. Choose the correct alternative from the following :

- (i) 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 |
- (ii) 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 |
- (iii) Choose The Volume level at the Point of Equilibrium =
- | | |
|------------|-----------|
| a) 0 db. | b) 10 db. |
| c) -10 db. | d) None |
- (iv) Identify Which of the following is a Multitrack Editing Software?
- | | |
|-------------------|-------------------|
| a) Adobe Addition | b) Adobe Audition |
| c) Audacity | d) None |
- (v) Choose what speeds greater than five times the speed of Sound are called
-
- | | |
|----------------|----------------|
| a) Super-sonic | b) Sub-sonic |
| c) Hyper-sonic | d) Penta-sonic |

Group-B

(Short Answer Type Questions)

3 x 5=15

- | | |
|--|-----|
| 2. Explain amplitude in a sound wave. | (3) |
| 3. Explain the frequency range of human hearing | (3) |
| 4. Describe the mediums of propagation of sound. | (3) |
| 5. Define pitch in the context of sound. | (3) |
| 6. Describe infrasonic sound. | (3) |

Explain ultrasonic sound.

OR

(3)

Group-C

(Long Answer Type Questions)

5 x 2=10

7. Describe the differences between a tone and a note in music. (5)
8. Define sound engineering and its applications in various industries. (5)

OR

Describe the principles behind sound reproduction and its advancements. (5)
