



QP CODE: 23104789



Reg No :

Name :

**B.A DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE
EXAMINATIONS, FEBRUARY 2023**

First Semester

B.A Audiography & Digital Editing

Core Course - AE1CRT01 - SCIENCE OF SOUND

2017 Admission Onwards

F047FD93

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is sound?
2. Which characteristic of the sound wave is related to the loudness?
3. What is an Octave?
4. What is harmonics?
5. What is the difference between a signal with a power of 1 watt and 2 watt?
6. What is law of reflection?
7. What is Echo?
8. What is threshold of hearing?
9. What is frequency of sound?
10. What is ITD?
11. What is reverberation time?
12. What do you mean by absorption materials?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. What is phase shift?
14. What is timber of the sound?
15. What is longitudinal and transverse wave?
16. How sound travels in air?
17. What causes room mode?
18. Explain Fletcher and Munson curve .
19. What are Doppler Effect and its application?
20. How we perceive the space through sound?
21. What is early reflection?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain decibel with equations .how can us measure sound pressure level. What are weighting filters?
23. How human ear works? Expalin with diagram
24. Explain sound localization. Direction and space
25. Explain various methods used for acoustic treament.

(2×15=30)

