

19103194



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Reg. No.....

Name.....

**B.A. DEGREE (C.B.C.S.) EXAMINATION, NOVEMBER 2019**

**First Semester**

B.A.—Audiography and Digital Editing  
Core—AEICRT01—SCIENCE OF SOUND  
(2017 Admission onwards)

Time : Three Hours

Maximum Marks : 80

**Part A**

*Answer any ten questions.  
Each question carries 2 marks.*

1. What is Sound ?
2. Give the characteristics of sound.
3. Define wave length.
4. What is reflection ?
5. Define Sabine formula.
6. Define Hearing.
7. State the meaning of frequency.
8. What is direct sound ?
9. What is loudness ?
10. Define Reverberation.
11. What is speech therapy called ?
12. Define sound power.

(10 × 2 = 20)

**Part B**

*Answer any six questions.  
Each question carries 5 marks.*

13. Define Amplitude.
14. Describe the harmonic content intervals.

**Turn over**





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15. State the basic acoustics of sound pressure.
16. Give the threshold of hearing.
17. Explain the spectral analysis.
18. State the Hass effect.
19. Bring down the necessity of reverberation.
20. List out the types of studio.
21. Explain comb filter effect.

(6 × 5 = 30)

### Part C

*Answer any two questions.*

*Each question carries 15 marks.*

22. How sound travels in air ? Explain.
23. Write a short note on : (a) Refraction ; (b) Reflection ; (iii) Diffraction.
24. Narrate the Doppler Effect.
25. Explain the acoustical features and design of Auditoriums.

(2 × 15 = 30)

