



QP CODE: 24027576



Reg No :

Name :

**B.A DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE
EXAMINATIONS, OCTOBER 2024**

Third Semester

B.A Multimedia Model III

Core Course - MT3CRT09 - AUDIOGRAPHY I

2017 Admission Onwards

26EA7D66

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is the relationship between wavelength and frequency?
2. What is the most simple type of sound wave?
3. What is a mechanical sound?
4. The technique used by bats to find their way to locate food.
5. Name two animals who can hear ultrasonic.
6. What do you mean by diffraction of sound?
7. What is the working principle of dynamic microphone?
8. What is phantom power?
9. Define sampling rate.
10. What is a carrier frequency?
11. What is the high frequency signal used in modulation called?
12. Why does a AM radio make noise when a switch is turned on in a home ?

(10×2=20)

Part B

*Answer any **six** questions.*

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





13. What is the difference between a transverse wave and a longitudinal wave? Explain with diagram.
14. What do you mean by binaural localization? Explain ITD and ILD.
15. What is the difference between a free field and a reverberant field? Give examples.
16. How is a loudspeaker similar to a dynamic microphone ? Explain using diagram.
17. Explain the main parts of a loudspeaker.
18. What is the use of an equalizer?
19. How does a Magnetic tape recording work?
20. What is Internet radio?
21. Write a short note on public and community radio broadcasting.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. What are the similarities of Human ear and Microphone? Explain with diagrams.
23. Explain the principles of loud speaker and use of different types of speakers.
24. Explain the Advantages and disadvantages of Digital recording and Magnetic tape recording.
25. Explain the evolution of surround sound format.

(2×15=30)

