



QP CODE: 24027570



Reg No : .....

Name : .....

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

**Third Semester**

B.A Audiography & Digital Editing

**CORE COURSE - AE3CRT09 - DIGITAL AUDIO FUNDMENTALS**

2017 Admission Onwards

B3C517B1

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

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

1. What is Quantization?
2. How many channels can ADAT connection handle at 48 kHz?
3. What is AAC?
4. What is basic principle of digital recording?
5. What are audio components?
6. Why do we need ROM?
7. What are the 10 input devices?
8. What are output devices? Give examples?
9. What are examples of device drivers?
10. What is a router?
11. What is LAN?
12. What is the full form of AVI?

(10×2=20)

**Part B**

*Answer any **six** questions.*

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





13. Convert the decimal Numbers '21' & '3' into binary and add the binary numbers and convert it back into decimal. Give the steps of calculations.
14. Write a note on various lossless compressed digital audio formats.
15. Explain ADAT audio connection.
16. Explain Multiplexing.
17. What is the function of a Motherboard of a computer?
18. What is SMPS? What is its use?
19. Explain system software.
20. How does IP audio work?
21. What are OGG files? Explain.

(6×5=30)

### **Part C**

*Answer any **two** questions.*

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

22. Write in detail about Nyquist Theorem.
23. Give a detailed description of Audio file formats. Elucidate the advantages and disadvantages of each.
24. What are the functions of a digital mixer?
25. How does a compact Disk work?

(2×15=30)

