

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
FIRST YEAR**

**PAPER IV – TECHNOLOGY AND MANAGEMENT FOR PERSONS WITH
HEARING IMPAIRMENTS I**

Q.P. Code: 802304

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on: **(3 x 10 = 30)**

1. Differentiate Direct and Alternate current.
2. Elaborate on procedure involved in taking ear impression.
3. Explain different types of group amplification system with advantages and disadvantages.

II. Write notes on: **(8 x 5 = 40)**

1. Explain sampling and Quantization.
2. Historical development of hearing aids.
3. What is sound level meter? Mention its functions.
4. Microcomputers and computers.
5. Trouble shooting of hearing aids.
6. Artificial Ear and Artificial Mastoid.
7. Write a note on Hearing aid test box.
8. Magnetic tape recording.

III. Short answers on: **(10 x 3 = 30)**

1. What are diodes?
2. Tape speed.
3. Explain about the Multispeaker system.
4. Importance of Harness and BTE loops.
5. Attack time Vs release Time.
6. Explain about Horn Speaker.
7. Explain Tape Noise.
8. Solar charger
9. What is multimeter?
10. What are the ways to reduce the aliasing error during sampling?