

[LG 0215]

FEBRUARY 2015

Sub.Code :2304

**B.Sc. 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. What are the various components in a hearing aid?
2. Group amplification systems used in classroom of a hearing impaired.
3. Classify and explain the ear level hearing aids.

II. Write Notes on:

(8 x 5 = 40)

1. Troubleshooting of hearing aids.
2. What is amplifier and what are the different classes of amplifiers used in hearing aids?
3. Difference between AC and DC.
4. Explain Sampling and Quantization.
5. What is frequency counter and sine wave generator?
6. Steps involved in ear mold impression.
7. Magnetic tape recording.
8. Historical development of hearing aids.

III. Short Answers on:

(10 x 3 = 30)

1. Integrated sound level meter.
2. DC power supply.
3. Various input to hearing aids.
4. Parts of a Microcomputer.
5. What is Automatic Gain Control?
6. Explain Differential amplifier/ amplification.
7. What are the ways to reduce the aliasing error during sampling?
8. What is External and internal delay?
9. Attack time and release time of a hearing aid.
10. Explain about the multispeaker system.
