

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. Digital signal processing – how does a DSP based system works, applications on DSP based hearing aids?
2. Hearing aids selections and types of hearing aids.
3. Assessment and counseling in geriatric population.

II. Write Notes on:

(8 x 5 = 40)

1. Monaural VS pseudo binaural hearing aids.
2. Ear moulds and its importance.
3. Non electrical hearing aids.
4. Hearing aid test box and measurement of hearing aids.
5. FM amplifications system.
6. Digital noise reductions.
7. Micro computers and computers.
8. Linear and non linear amplifiers.

III. Short Answers on:

(10 x 3 = 30)

1. DC power supplier.
2. Voltage stabilizer.
3. Loud speaker efficiency.
4. Structure of a dynamic loudspeaker.
5. Magnetic tape recording and playback.
6. Integrated sound level meter.
7. AC and BC hearing aids.
8. Solar charger and its specifications.
9. Receiver cords.
10. Amplifier power and distortion.
