

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 and its applications.
2. Working of Cathode Ray Oscilloscope with a neat diagram.
3. Classify hearing aids according to their types and brief on their advantages and disadvantages.

II. Write notes on:

(8 x 5 = 40)

1. Magnetic tape recording.
2. Historical development of hearing aids.
3. Discuss about various ear mould modifications.
4. Difference between Alternate and direct current.
5. What are coupler and explain different types of coupler.
6. FM Amplifications system.
7. What are the types of microphone?
8. What is vent? Write about its uses.

III. Short answers on:

(10 x 3 = 30)

1. What are active and passive components of the circuit with examples?
2. What is multimeter?
3. What are microcomputers?
4. Write note on CROS hearing aids.
5. Pseudo binaural hearing aid.
6. What is transistor and mention its function?
7. Differentiate between hard and soft moulds.
8. What is artificial ear?
9. Parts of the hearing aid.
10. What is Electromagnetic induction?
