

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

FIRST YEAR – SEMESTER - I

PAPER V – ELECTRONICS AND ACOUSTICS

Q.P. Code: 802335

Time: Three Hours

Maximum : 75 Marks

Answer All questions

I. Elaborate on:

(2 x 10 = 20)

1. Explain concept of impedance and admittance in detail.
2. Explain calibration of instruments in the field of speech and hearing.

II. Write notes on:

(8 x 5 = 40)

1. Logic gates.
2. Amplifiers and it's types.
3. Complex sounds.
4. Reflection and absorption.
5. Time domain methods of speech processing.
6. Binary number system.
7. Analog to digital conversion.
8. Block diagram of evoked potentials.

III. Short answers on:

(5 x 3 = 15)

1. Sampling.
2. Inverters.
3. Autocorrelation.
4. Filters.
5. Grounding.
