

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
FIRST YEAR  
PAPER III – INTRODUCTION TO HEARING AND HEARING SCIENCES**

*Q.P. Code: 802303*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain the transformer action of the middle ear.
2. Theories of bone conduction.
3. Describe various branches of audiology and its scope in India.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Phones and Sones.
2. Audiogram Configurations.
3. Fourier Analysis.
4. Interaural attenuation.
5. Genetic causes of hearing loss.
6. Tuning fork tests.
7. Bing test- procedure, merits and demerits.
8. Equal loudness contours.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Localization.
2. Standing Waves.
3. RET SPL.
4. Calibration.
5. Semicircular canals.
6. Audiometric zero.
7. Threshold of hearing.
8. Permissible noise level in audiometric room.
9. SRT vs SIS.
10. Action Potentials.

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