

**B.Sc. 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. How do you test the hearing loss and real life performance of the subject with hearing loss using audiometer?
2. How middle ear acts as a n impedance matching system? Explain the function of middle ear in detail.
3. Explain the various neurological causes of hearing loss with its clinical characteristics.

**II. Write notes on:** **(8 x 5 = 40)**

1. Compare MAP and MAF.
2. Development of field of Audiology in India.
3. What happens when you add tone of different frequencies with same intensity? Explain with examples.
4. Various classification of audiograms.
5. Explain various subjects related factors affecting pure tone thresholds.
6. Explain plateau method in detail.
7. Explain procedure for audiometric weber test.
8. What are the psychophysical scales used to measure sound perception?

**III. Short answers on:** **(10 x 3 = 30)**

1. Masker and its types.
2. Differentiate ear canal occlusion and stenosis.
3. Compare various BC transducers.
4. Sound field testing.
5. Late onset hearing loss.
6. Action potentials.
7. Linear acceleration.
8. Schwabach test.
9. Biological Calibration.
10. Listening check of audiometers.

\*\*\*\*\*