

**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. Evolution and development of the field of audiology.
2. How middle ear acts as a transformer to facilitate hearing?
3. Draw a neat diagram and explain the ascending auditory pathway.

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

1. Distinguish between MAP and MAF.
2. Functions of utricle.
3. Explain weighting networks.
4. Different stages of progression of otitis media.
5. Explain the procedure, interpretation, merits and demerits of Rinne test.
6. What are the transducers used to perform pure tone audiometry?
7. Theories of bone conduction.
8. How thresholds are plotted in an audiogram?

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

1. High risk factors causing congenital hearing loss.
2. Cochlear microphonics.
3. Occlusion effect.
4. Phones.
5. Exostosis.
6. Function of stapedius muscle.
7. Draw a neat diagram of audiometer and label the parts.
8. Pinna shadow effect.
9. Volley theory.
10. Carhart notch.
