

[LE 0212]

FEBRUARY 2014

Sub. Code: 2303

**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. Critically evaluate theories of bone conduction
2. Causes of hearing loss in children
3. Middle ear transformer action

**II. Write notes on:**

**8 x 5 = 40**

1. Walls of the middle ear
2. Factors aiding the localization in horizontal plane
3. Scope of Audiology
4. Tuning fork tests
5. Minimal audible pressure & Minimum audible field
6. Different audiogram patterns
7. Case history in audiology
8. Central auditory pathway

**III. Short answers on:**

**10 X 3 = 30**

1. Outer hair cell
2. Eustachian tube-differences between adults and paediatric population
3. Muscles associated with Eustachian tube functioning
4. Interaural attenuation
5. Sones & phones
6. Pinna
7. Classification of hearing loss based on degree
8. Semicircular canals
9. Acoustic reflex
10. Critical band concept in masking

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