

[LP 1019]

OCTOBER 2019

Sub. Code: 3007

**MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS  
FIRST YEAR  
PAPER VII – AUDITORY PHYSIOLOGY**

*Q.P. Code : 433007*

**Time : Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Relationship between auditory cortex and related areas in the brain.
2. Various cells in the Cochlear Nucleus Complex (CNC) and its properties.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Various reflexes of the vestibular system.
2. Role of middle ear in sound transduction.
3. Origin, composition, dynamics and function of cochlear fluids.
4. Generations of Oto Acoustic Emissions (OAEs).
5. Proteins of cochlea and their role.
6. Role of pinna in localization. Describe the Head Related Transfer Function (HRTF).
7. Importance of the efferent auditory system for speech perception in noise.
8. Stimulus in coding in Inferior Colliculus.
9. Acoustic and non acoustic reflex.
10. Structure and organization of the auditory nerve.

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