

[LN 1018]

OCTOBER 2018

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. Explain the anatomical and functional characteristics of the human auditory cortex.
2. Explain how the middle ear serves as both an impedance matching device and, in some cases, a “surge protector”?

II. Write notes on:

(10 x 6 = 60)

1. Sensory Transduction in Hair Cells.
2. Electrical Potentials in the Cochlea.
3. Anatomical Organization of the Ascending Auditory Pathway.
4. Tonotopic Organization.
5. Mechanical Properties of the Basilar Membrane.
6. Inhibition.
7. Physiology of localization of sounds.
8. Middle Ear Muscle Reflex.
9. Cochlear fluids.
10. Equilibrium pathways.
