

[LI 0416]

APRIL 2016

Sub. Code: 3007

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

Q.P. Code : 433007

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Compare the stimulus coding at Cochlea nucleus, Inferior Colliculus and auditory cortex.
2. Role of Vestibular Ocular Reflex and Vestibular Spinal Reflex in balance function.

II. Write notes on:

(10 x 6 = 60)

1. Action potential generation.
2. Spontaneous firing rate.
3. Superior olivary complex.
4. Coding of complex stimulus in auditory nerve.
5. Bekesy theory.
6. Theories of bone conduction.
7. Resonance properties of external ear and auditory canal.
8. Physiology of Eustachian tube.
9. Cochlear blood supply.
10. Two tone suppression.
