

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[AHS 0321]**

**MARCH 2021**

**Sub. Code: 3007**

**(OCTOBER 2020 EXAM SESSION)**

**MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**FIRST YEAR (From 2010-2011 onwards)**

**PAPER VII – AUDITORY PHYSIOLOGY**

***Q.P. Code : 433007***

**Time : Three hours**

**Answer ALL Questions**

**Maximum : 100 Marks**

**I. Elaborate on :**

**(2x20=40)**

1. Various models of bone conduction in hearing.
2. Role of Superior Olivary Complex on binaural hearing.

**II. Write notes on :**

**(10x6=60)**

1. Acoustic reflex pathway.
2. Repair, regeneration, protection in the cochlea.
3. Cochlear potentials.
4. Vestibule spinal reflex.
5. Anatomy of LL, IC.
6. Neurobiological relationship between auditory cortex and other areas.
7. Frequency theory.
8. Role of pinna in humans.
9. Non classical pathways.
10. Spontaneous firing rate.

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