

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

[AHS 0522]

MAY 2022

Sub. Code: 3007

**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. Critically evaluate the various Theories of hearing.
2. Anatomy and physiology of the vestibular structures and vestibular nerve.

II. Write notes on:

(10x6=60)

1. Superior Olivary Complex.
2. Role of efferent auditory pathway.
3. Neurobiological relationship between auditory cortex and other areas.
4. Temporal bone anatomy.
5. Summating potential and action potential.
6. Anatomy of IC and MGB.
7. Cortical plasticity.
8. Supporting cells in the cochlea.
9. Anatomy and Physiology of Eustachian Tube.
10. Refractory period and Adaptation in auditory nerve.
