

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

[AHS 0222]

**FEBRUARY 2022
(OCTOBER 2021 EXAM SESSION)**

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. Macro and Micro anatomy of cochlea in humans.
2. Mechanism of localization at various levels of auditory system.

II. Write notes on :

(10x6=60)

1. Structure and contents of Internal auditory meatus.
2. Types of cells and its distribution function at cochlear nucleus.
3. Travelling Wave theory.
4. Physiology of Eustachian tube.
5. Resonance properties of external ear and auditory canal.
6. Blood supply to cochlea.
7. Tonotopic organizations at cortical level.
8. Anatomy of vestibular nerve
9. Current status on basilar membrane mechanics
10. Middle ear lever action function.
