

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

**[AHS 0523]**

**MAY 2023**

**Sub. Code: 2803**

**M.Sc. AUDIOLOGY DEGREE EXAMINATION  
FIRST SEMESTER (From 2021-2022 onwards)  
PAPER III – COCHLEAR PHYSIOLOGY**

*Q.P. Code: 282803*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2x20=40)**

1. Explain in detail the Physiology of Cochlea.
2. Describe the Instrumentation, Characteristics, Factors affecting and Clinical application of DPOAEs, and TEOAEs.

**II. Write notes on:**

**(10x6=60)**

1. Ontogenetic development of cochlea.
2. Clinical applications of ECoChG.
3. Efferent control of cochlear hair cells.
4. Cochlear regeneration.
5. Contralateral Suppression of OAEs.
6. Physiology of auditory system in non-mammalian species.
7. Blood supply to cochlea.
8. Instrumentation for ECoChG.
9. Techniques to study hair cell physiology.
10. Macro-anatomy of the cochlea.

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