

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

**[AHS 1022]**

**OCTOBER 2022**

**Sub. Code:2803**

**M.Sc. AUDIOLOGY  
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. Describe the Micro and Macro structures of Cochlea.
2. Explain in detail the Instrumentation, Protocol, and Clinical applications of ECoChG.

**II. Write notes on:**

**(10x6=60)**

1. Characteristics and factors affecting TEOAEs.
2. Developmental changes in the cochlea.
3. Clinical applications of OAEs.
4. Efferent control of cochlear hair cells.
5. Techniques to study basilar membrane physiology.
6. Phylogentic development of cochlea.
7. Fine structure DPOAEs.
8. Inner hair cell physiology.
9. Endocochlear potentials.
10. Innervations of cochlea.

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