

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

[AHS 1023]

OCTOBER 2023

Sub. Code: 2805

**M.Sc. AUDIOLOGY
FIRST SEMESTER (From 2021-2022 onwards)
PAPER V – HEARING SCIENCES**

Q.P. Code: 282805

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2x20=40)

1. Explain various psychophysical methods for estimating threshold and evaluate the merits and demerits of each method.
2. Describe various factors affecting loudness perception in normal hearing individuals in detail.

II. Write notes on:

(10x6=60)

1. Informational masking.
2. Clinical applications of non simultaneous masking.
3. Travelling wave theory and pitch perception.
4. Clinical application of critical band concept.
5. Methods to estimate loudness scale.
6. Relationship between pitch and loudness in individuals with normal hearing.
7. Long term average speech spectrum and its clinical applications.
8. Different types of filters and their properties.
9. Spectral analysis of complex sounds.
10. Compare and differentiate methods of measuring absolute and relative thresholds.
