

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

[AHS 0523]

MAY 2023

Sub. Code: 2802

**M.Sc. AUDIOLOGY DEGREE EXAMINATION
FIRST SEMESTER (From 2021-2022 onwards)
PAPER II – TECHNOLOGY IN AUDIOLOGY**

Q.P. Code: 282802

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2x20=40)

1. Elaborate Calibration and Maintenance of Different Audiological equipment.
2. Elaborate Tele technology definition, applications, technology, resources.

II. Write notes on:

(10x6=60)

1. Principles and methods of digital signal processing.
2. Tele technology role in remote consultation and data bases.
3. Computer based assessment and intervention programs relating to hearing.
4. Elaborate the Principles of Neuro Imaging Techniques MRI and CT scan.
5. Speaker and speech recognition system.
6. Basic principles of cepstral analysis, filtering low time, high time.
7. Working principles of EEG and evoked potential.
8. Technology available for intra-operative monitoring of sensory and motor C functions.
9. Distance Learning Multimedia Meeting.
10. Auditorium Acoustics.
