

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

[AHS 0222]

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

Sub. Code: 3003

**MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
FIRST YEAR (From 2010-2011 onwards)
PAPER III - SPEECH SCIENCE AND PRODUCTION
*Q.P. Code : 433003***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on :

(2x20=40)

1. Vocal fold physiology and vibratory modes of vocal fold.
2. Acoustics of vowels and consonants.

II. Write notes on :

(10x6=60)

1. Methods of respiratory analysis.
2. Nerve supply to larynx.
3. Transfer function of vocal tract.
4. PRAAT software.
5. Aerodynamics of vowels.
6. Voice response systems.
7. Pitch changing mechanism.
8. Spectrograms.
9. Speaker recognition system.
10. Subglottic pressure measurement.
