

[LJ 1016]

OCTOBER 2016

Sub. Code: 3003

**MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS  
FIRST YEAR  
PAPER III – SPEECH SCIENCE AND PRODUCTION**

*Q.P. Code : 433003*

**Time : Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Physiology and types of respiration with respiratory movements.
2. Vocal fold vibration with different models.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Speaker recognition system.
2. Aerodynamics of consonants.
3. Pitch changing mechanism.
4. Analyse laughter with spectrograph.
5. Upper airway dynamics.
6. Muscles of larynx.
7. Infant cry analysis.
8. Linear prediction coding.
9. Spectrographic cues for vowels.
10. Application of wide band bar spectrograms in identifying speech sounds.

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