

[LQ 1019]

NOVEMBER 2020  
(MAY 2020 SESSION)

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 :**

**(2x20=40)**

1. Describe one glottal cycle of vocal fold vibration using the aerodynamic- myoelastic theory.
2. What is speech recognition ? Explain the challenging problems in speech recognition and also the implications of speech recognition in the current world.

**II. Write notes on :**

**(10x6=60)**

1. One mass model of vocal fold vibration.
2. Neuromotor mechanism of articulatory system.
3. Methods of speech synthesis.
4. Acoustics of vowels.
5. Analysis of laughter.
6. Any one model of speech production.
7. Explain any two measurement methods of oro-facial force physiology.
8. Application of spectrography.
9. Acoustic theory of speech production.
10. Influence of phonetic context and speaker variability on acoustic pattern of speech.

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