

Q.P.Code 102377

Reg. No.:.....

First Year MASLP Degree Supplementary Examinations - June 2013

ADVANCES IN SPEECH SCIENCES

Time: 3 hrs

Max marks :80

- Answer all questions

Essays

(5x16=80)

1. Explain the coordination of respiratory and laryngeal systems in phonation. What are the sources of fluctuations in voice signal. Briefly explain the functions of interarytenoids. (8+4+4)
2. What is speech synthesis. Discuss its applications. Describe various methods of speaker identification. (8+8)
3. Explain Garrett's model. Give illustrations. Justify the need for infant cry analysis in the field of speech pathology. (10+6)
4. Explain velopharyngeal airway resistance and elaborate on the effect of vowel height on the same. Explain any two measurement methods of orofacial force physiology. (10+6)
5. What is sampling rate and its importance. Explain the role of FFT and DFT in speech analysis. (8+8)
