

Q.P. Code: 112377

Reg. No.:.....

First Year MASLP Degree Supplementary Examinations April 2018

Advances in Speech Sciences

(2016 Scheme)

Time: 3 hrs

Max marks: 80

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays

(5x16=80)

1. Describe different layers of vocal fold and explain the one mass model, two mass model and multiple mass model of vocal fold vibration
2. Describe the acoustic theory of speech production and explain the development of voice across life span
3. Explain the basic speech analysis technique : digital filters, LPC, autocorrelation and cepstrum
4. What is speech synthesis. Explain the different methods of speech synthesis
5. What are important spectrographic features for infant cry analysis and explain the clinical implications with respect to Indian context
