

Q.P. Code: 112377

Reg. No.:.....

First Year MASLP Degree Examinations October 2017

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 types of respiration and different methods of respiratory analysis
2. Explain the aerodynamics and acoustics of vowels, stops and nasals
3. Explain the speech analysis techniques: spectrograph, inverse filtering and LTAS
4. What is speech recognition. Explain the challenging problems in speech recognition and also what are the implications of speech recognition in the current world.
5. What are spectrographic features for laughter analysis and justify this analysis for understanding laryngeal physiology.
