

**Q.P.Code: 102377**

**Reg. No.:.....**

**First Year MASLP Degree Supplementary Examinations , April 2015**

**ADVANCES IN SPEECH SCIENCES**

**Time : 3 hrs**

**Max marks : 80**

- Answer all questions

**Essays**

**(5x16=80)**

1. Define turbulent and laminar airflow. How does these relate to speech sound production. Illustrate with examples from Malayalam.
2. Describe one glottal cycle of vocal fold vibration using the aerodynamic – myoelastic theory.
3. Define fundamental frequency, and provide Indian norms for adults and children. What factors regulate change in fundamental frequency.
4. Describe unique features of stops in your language. Schematically illustrate the features using spectrograms.
5. Discuss applications of speech synthesis.

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