

Q.P. Code: 112377

Reg. No.:.....

**First Year MASLP Degree Regular/Supplementary Examinations
February 2021**

Advances in Speech Sciences

(2016 Scheme)

Time: 3 hrs

Max marks: 80

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays (5x16=80)

1. Explain stress strain curve of vocal fold. Elaborate the cellular structure of vocal fold. (8+8)
2. Describe the perturbation theory of speech production explaining formant frequency changes in different vowel productions.
3. Explain frequency and time domain analysis. Add a note on LPC. (10+6)
4. Explain various types of speech synthesis techniques.
5. Explain the spectrographic patterns of infant cry with adequate illustrations.
