

Q.P. Code: 102390

Reg. No.:.....

**First Semester M.Sc Speech Language Pathology Degree Regular/
Supplementary Examinations September 2023**

SLP 102: Speech Science and Speech Production

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 the acoustic features of consonants through spectrographic measures.
2. Explain the various modes of vibratory patterns of vocal folds. How does the laryngeal and lung activity differ between conversational and loud speech.
3. Explain perturbation theory with illustrations for various vowel productions.
4. Explain the infant cry analysis in different disorders.
5. (a) Methods of speaker recognition
(b) Linear prediction coding
(c) Checking action
(d) Subglottal pressure and glottal resistance

(4+4+4+4)
