

M. Sc. (Speech Language Pathology) Sem – I : WINTER - 2018
SUBJECT: SPEECH SCIENCE & SPEECH PRODUCTION

Day: Wednesday
Date: 05/12/2018

W-2018-3694

Time: 10.00 AM TO 01.00 PM
Max. Marks. 80

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
 - 4) Answer to both the sections should be written in **RESPECTIVE** answer books.
 - 5) Answer written in the inappropriate answer sheets will not be assessed in any case.
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SECTION - A

- Q.1** Attempt any **FOUR** out of **SIX**: **(60)**
- a) What are the lower airway dynamics? How does the respiratory capacities and volumes play important role in speech production.
 - b) What is Prosody? What causes dysprosody? Describe the prosodic characteristics of any two childhood speech disorders.
 - c) What differentiates nasals and fricatives? Write acoustic aerodynamic and respiratory differences.
 - d) What are the different types of instrumental evaluations done by SLP to assess speech production?
 - e) What are the clinical implications of studying acoustic theory of speech production?
 - f) What are the different techniques of analysis in forensic medicine? Explain with examples.

SECTION - B

- Q.2** Attempt any **FOUR** out of **SIX**: **(20)**
- a) EGG
 - b) ERV and IRV
 - c) Laughter analysis
 - d) Spectrography
 - e) Spirometry
 - f) Infant cry analysis

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