

**M. Sc. (Speech Language Pathology) (2018 Course) Sem – I :  
SUMMER - 2019**

**SUBJECT: SPEECH SCIENCE & SPEECH PRODUCTION**

Day: Thursday  
Date: 23/05/2019

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

**S-2019-3968**

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.
- 4) Answers each section in the **RESPECTIVE** answer sheets only.
- 5) Answers written in the inappropriate answer sheet will not be assessed in any case.

**SECTION – A (LAQ)**

**Q.1** Attempt any **FOUR** out of **SIX**: **(60)**

- a) What is speech breathing? Discuss role of different respiratory capacities and volumes in speech production.
- b) Discuss different aspects of prosody. Write features of dysprosody in communication disorders.
- c) Discuss acoustic and aerodynamic feature of stop consonants.
- d) What are different instrumentation used for physiological measurements in speech production?
- e) What is Acoustic theory of speech production? What is the need to study this theory by speech language pathologist?
- f) What is forensic medicine? Discuss different techniques and methods for it.

**SECTION- B (SAQ)**

**Q.2** Attempt any **FOUR** out of **SIX**: **(20)**

- a) Mechanism of airflow
- b) Digital signal processing
- c) Effect of context and speaker
- d) Intraoral and subglottal pressure
- e) Speech synthesis
- f) Infant cry analysis

\* \* \* \*