

**B.A.S.L.P. Sem – I (2017 Course) : SUMMER - 2019**  
**SUBJECT: ANATOMY AND PHYSIOLOGY OF SPEECH AND HEARING**

Day : Friday  
Date : 19/04/2019

Time : 10.00 AM TO 01.00 PM  
Max. Marks: 75

**S-2019-3950**

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw diagrams **WHEREVER** necessary.
- 4) Both the sections should be written in **SEPARATE** answer books.

**SECTION-A**

- Q.1** Attempt any **THREE** out of **FOUR** (3 x 5) = (15)
- a) Describe muscles of palate.
  - b) Describe any two theories of phonation.
  - c) Enlist muscles of facial expression.
  - d) Nerve supply to larynx.
- Q.2** Attempt any **ONE** out of **TWO** (1 x 10) = (10)
- a) Describe parts of pharynx.
  - b) Describe the muscles of tongue.
- Q.3** Attempt any **ONE** out of **TWO** (1 x 15) = (15)
- a) Which structures help in swallowing? Describe the process of swallowing.
  - b) Describe in detail various structures involved in respiration. Define various volumes and capacities.

**SECTION-B**

- Q.4** Attempt any **TWO** out of **THREE** (2 x 5) = (10)
- a) Write a note on functions of outer ear.
  - b) Write a brief note on congenital anomalies of inner ear.
  - c) Briefly explain the physiology of vestibular system.
- Q.5** Attempt any **ONE** out of **TWO** (1 x 10) = (10)
- a) With a neat labeled diagram, explain the anatomy of organ of corti.
  - b) Draw a neat labeled diagram of middle ear and explain the middle ear transformer action.
- Q.6** Attempt any **ONE** out of **TWO** (1 x 15) = (15)
- a)
    - i) Explain the theories of bone conduction.
    - ii) With a neat labeled diagram, describe the ascending and descending auditory pathways.
  - b)
    - i) Draw a neat labeled diagram of external ear and explain its anatomy.
    - ii) Explain the anatomy and physiology of Eustachian tube.

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