

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)**

BASLP DEGREE EXAMINATION - April 2019

First Semester

ANATOMY AND PHYSIOLOGY OF SPEECH AND HEARING

Three Hours

Maximum: 100 marks

PART – A

BASIC HUMAN ANATOMY

SECTION - A

I. Fill in the blanks :

(3x1=3)

1. Name the structures developed from branchial arch_____.
2. Name the ear ossicles_____.
3. Joints of the body_____.

II. Answer the following:

(4x2=8)

4. Vocalis Muscle.
5. Pharyngotympanic Tube.
6. Differentiate muscle fiber and muscle spindle.
7. Spermatogenesis.

III. Answer the following:

(3x3=9)

8. Fertilization.
9. Theories of Hearing.
10. Muscles of soft palate.

SECTION – B

IV. Write short notes on any THREE :

(3x5=15)

11. Types of cartilage.
12. Pharyngeal arches.
13. Trachea .
14. Semi circular canals.
15. Bony labyrinth.

SECTION – C

V. Answer any ONE of the following :

(1x15=15)

16. Describe in detail about the following headings: Tongue characteristic features, papillae, intrinsic and extrinsic muscles, blood supply, innervations and applied anatomy?
17. Walls of middle ear.

PART – B
BASIC HUMAN PHYSIOLOGY
SECTION - A

I. Fill in the blanks : (3x1=3)

1. The volume at which the tidal loop operates is _____.
2. The normal pleural fluid volume is _____.
3. The pharygotympanic tube connects the middle ear cavity to the _____.

II. Answer the following: (4x2=8)

4. Lysosomes.
5. What are three phases of swallowing?
6. Impedance matching by the ossicular system.
7. Head shadow effect.

III. Answer the following: (3x3=9)

8. Refractory period.
9. Physiological importance of pleural space.
10. Functions of middle ear.

SECTION – B

IV. Write short notes on any THREE : (3x5=15)

11. Properties of synapse.
12. Dead space and its measurement.
13. Types of breathing.
14. Explain with neat labeled diagram about stimulation and inhibition of hair cell in
15. Vestibular reflexes.

SECTION – C

V. Answer any ONE of the following : (1x15=15)

16. Draw a labelled diagram of NM junction. Explain the sequence of events during NM transmission. Add a note on NM blockers. (3+7+5)
17. Physiology of hearing.

(Sl.No. M21403)

