S.No. M21403 Course.Code: 27317103

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.

(p.t.o)

PART – B

BASIC HUMAN PHYSIOLOGY

SECTION - A

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

2. The volume at which the tidal loop operates is _____.
3. The normal pleural fluid volume is _____.

   The pharygotympanic tube connects the middle ear cavity to the_____.

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

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

   Head shadow effect.

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

8.
9. Refractory period.
10. Physiological importance of pleural space.

    Functions of middle ear.

SECTION – B

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

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

SECTION – C

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

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

    Physiology of hearing.

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