S.No. M22132 Course.Code: 27317103

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)
BASLP DEGREE EXAMINATION - December 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. Different cell layers _____
2. Structures for supporting respiration _____.
3. Membranes of inner ear _____.

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

4. Muscles of soft palate.
5. Structure of Tympanic Membrane.
6. Ear Ossicles.
7. Velopharyngeal Mechanism.

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

8. Fertilization
9. Types of cartilage
10. Muscles of soft palate

SECTION – B

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

11. Describe the different types of joints
12. Development of thyroid gland.
13. Thyroid cartilage.
14. Papillae of the tongue.
15. Hair cells of vestibular system.

SECTION – C

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

16. Nasopharynx.
17. Vestibular pathway.

(p.t.o)

PART – B
BASIC HUMAN PHYSIOLOGY
SECTION - A

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

1. Smooth endoplasmic reticulum is concerned with the synthesis of _____.
2. The major articulatory structure in speech production is _____.
3. The pharygotympanic tube connects the middle ear cavity to the _____.

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

4. Define Action potentials.
5. Name the muscles of expiration.
6. Define dyspneic index.
7. What Halpike maneuver?

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

8. Facilitated Diffusion with examples.
9. Pump handle and bucket handle movements in breathing.
10. What is BAER?

SECTION – B

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

11. Types of muscle contraction.
12. Stability of alveoli and role of surfactants.
13. Factors affecting airway resistance.
14. Test of nasality.
15. Functions of otolithic organs.

SECTION – C

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

16. Define deglutition. Explain the various phases of deglutition with help of neat diagram with due emphasis on the neural reflex circuitary. Add a note on achalasia cardia. (2+10+3)
17. Travelling wave theory.

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