

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[MS 0723]

**JULY 2023**

**Sub. Code: 2230**

**(MAY 2023 EXAM SESSION)**

**M.S. DEGREE EXAMINATION**

**BRANCH IV – OTO-RHINO-LARYNGOLOGY**

**PAPER I – APPLIED BASIC SCIENCES IN OTO RHINO LARYNGOLOGY**

*Q.P. Code: 222230*

**Time : Three Hours**

**Maximum : 100 Marks**

**Write Notes on :**

**I. ANATOMY:**

**(4 x 5 = 20)**

1. Anatomy of facial recess.
2. Antrum of Highmore.
3. Anatomy of unpaired laryngeal cartilages.
4. Reinke's space.

**II. PHYSIOLOGY:**

**(4 x 5 = 20)**

1. Auditory pathway.
2. Physiology of Taste.
3. CSF production and its circulation.
4. Functions of Paranasal sinuses.

**III. BIO-CHEMISTRY:**

**(3 x 5 = 15)**

1. Extracellular fluid.
2. Endolymph.
3. Gene therapy.

**IV. PHARMACOLOGY:**

**(3 x 5 = 15)**

1. Role of Topical Medication in nasal allergy.
2. Amphotericin B.
3. Vasodilators in ENT practice.

**V. PATHOLOGY:**

**(3 x 5 = 15)**

1. Premalignant lesions of oral cavity.
2. Schwannoma.
3. Cancer immunology.

**VI. MICROBIOLOGY:**

**(3 x 5 = 15)**

1. Bio film.
2. Epstein-Barr Virus.
3. Bacteriology of Chronic Otitis Media.

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