

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

[MS 0524]

MAY 2024

Sub. Code: 4013

M.S. DEGREE EXAMINATION

BRANCH IV – OTO-RHINO-LARYNGOLOGY

PAPER I – BASIC SCIENCES RELATED OTOLARYNGOLOGY

Q.P. Code: 224013

Time: Three Hours

Maximum: 100 Marks

Write notes on:

I. ANATOMY:

(4 x 5 = 20)

1. Origin, Insertion, Nerve Supply & Action of Tensor Tympani and Stapedius Muscles.
2. Middle Turbinate.
3. Parapharyngeal space.
4. Broncho Pulmonary Segments.

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Theories of Hearing.
2. Functions of Para Nasal Sinus.
3. Physiology of Voice Production.
4. Functions of Tracheostomy.

III. BIO-CHEMISTRY:

(3 x 5 = 15)

1. Composition of Cerebro Spinal Fluid.
2. Liver Function Test and ENT Diseases.
3. Bio Chemical changes occurred in Chronic Dysphagia.

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Pharmaco Therapy for Sudden Sensory Neural Hearing Loss.
2. Nasal Decongestants.
3. Amphotericin – B.

V. PATHOLOGY:

(3 x 5 = 15)

1. Pathogenesis of Otospongiosis.
2. Pathogenesis of Allergic Rhinitis.
3. Pathogenesis of Retro Pharyngeal Abscess.

VI. MICROBIOLOGY:

(3 x 5 = 15)

1. Angio Invasive Fungus.
2. EBV (Ebstien Barr Virus).
3. Organisms involved in Atrophic Rhinitis.

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

[MS 1224]

**DECEMBER 2024
(OCTOBER 2024 EXAM SESSION)**

Sub. Code: 4013

M.S. DEGREE EXAMINATION

OTO-RHINO-LARYNGOLOGY

PAPER I – BASIC SCIENCES RELATED OTOLARYNGOLOGY

Q.P. Code: 224013

Time: Three Hours

Maximum: 100 Marks

Write notes on:

I. ANATOMY: (4 x 5 = 20)

1. Course of vertical segment of facial Nerve and its surgical importance.
2. Osteomeatal complex.
3. Retropharyngeal space.
4. Applied anatomy of thoracic part of esophagus.

II. PHYSIOLOGY: (4 x 5 = 20)

1. Physiology of Balance.
2. Vomeronasal organ and its functions.
3. Stages of Swallowing.
4. Sneeze Reflex.

III. BIO-CHEMISTRY: (3 x 5 = 15)

1. Perilymph.
2. Thyroid function test.
3. Biochemical changes after Tracheostomy.

IV. PHARMACOLOGY: (3 x 5 = 15)

1. Vestibular sedatives.
2. Antihistamines.
3. Chemotherapy in Head & Neck Malignancy.

V. PATHOLOGY: (3 x 5 = 15)

1. Pathogenesis of Meniere's Disease.
2. Spread of Glottic malignancy.
3. Pathogenesis Atrophic rhinitis.

VI. MICROBIOLOGY: (3 x 5 = 15)

1. Rhinosporidium Seeberi.
2. Mycobacterium Tuberculi.
3. Human Papilloma Virus.

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

[MS 0525]

MAY 2025

Sub. Code: 4013

M.S. DEGREE EXAMINATION

OTO-RHINO-LARYNGOLOGY

PAPER I – BASIC SCIENCES RELATED OTOLARYNGOLOGY

Q.P. Code: 224013

Time: Three Hours

Maximum: 100 Marks

Write notes on:

I. ANATOMY:

(4 x 5 = 20)

1. Chassaignac triangle.
2. Internal acoustic meatus.
3. Frontal recess.
4. Facial recess.

II. PHYSIOLOGY:

(4 x 5 = 20)

1. Physiology of Hearing.
2. Cough reflex.
3. Physiology of Taste.
4. Function of Inner hair cells.

III. BIO-CHEMISTRY:

(3 x 5 = 15)

1. Respiratory acidosis.
2. Stem cell therapy.
3. Biochemical changes in CSF of Fungal meningitis.

IV. PHARMACOLOGY:

(3 x 5 = 15)

1. Levodropropizine.
2. Intra nasal steroids.
3. 2% Lignocaine.

V. PATHOLOGY:

(3 x 5 = 15)

1. Follicular adenoma thyroid.
2. Angiofibroma.
3. Pathology of Meniere disease.

VI. MICROBIOLOGY:

(3 x 5 = 15)

1. Aspergillus fumigatus.
2. HPV.
3. Corynebacterium diphtheria.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MS 1025]

OCTOBER 2025

Sub. Code: 4013

M.S. DEGREE EXAMINATION

OTO-RHINO-LARYNGOLOGY

PAPER I – BASIC SCIENCES RELATED OTOLARYNGOLOGY

Q.P. Code: 224013

Time: Three Hours

Maximum: 100 Marks

Write notes on:

I. ANATOMY: (4 x 5 = 20)

1. Mucosal folds in Middle ear.
2. Nasolacrimal duct.
3. Vidian nerve.
4. Retropharyngeal node.

II. PHYSIOLOGY: (4 x 5 = 20)

1. Physiology of salivation.
2. Nasal cycle.
3. Physiological changes after Tracheostomy.
4. Physiology of speech.

III. BIO-CHEMISTRY: (3 x 5 = 15)

1. β – Trace protein
2. Salivary secretion.
3. Biochemical changes in CSF in case of bacterial meningitis.

IV. PHARMACOLOGY: (3 x 5 = 15)

1. Immunotherapy in allergic rhinitis.
2. Neoadjuvant chemotherapy.
3. Itraconazole.

V. PATHOLOGY: (3 x 5 = 15)

1. Necroptosis.
2. Healing by secondary intention.
3. FNAC – How to do? Advantages of USG clinical FNAC.

VI. MICROBIOLOGY: (3 x 5 = 15)

1. Organism of Vincent angina.
2. Streptococci.
3. Cyanobacterium – *Microcystis aeruginosa*.
