

[KD 219] APRIL 2001 Sub. Code : 2228

M.S. DEGREE EXAMINATION

(Revised Regulations)

Branch IV — ENT

Part II

Paper I — ENT., INCLUDING AUDIOLOGY AND
NEUROLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions

1. Describe the surgical anatomy of Cerebello-Pontine angle and write about Acoustic Neuroma. (25)
2. Discuss aetio-pathology, clinical features and management of Otogenic Brain Abscess. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Biomaterials used in reconstruction of sound conducting apparatus.
 - (b) Hemifacial spasm.
 - (c) Glomus Jugulare.
 - (d) B.S.E.R.A. (Brain Stem Evoked Response Audiometry)
 - (e) Gradenigo syndrome.

NOVEMBER 2001

[KE 219]

Sub. Code : 2228

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — ENT

Part II

**Paper I — ENT, INCLUDING AUDIOLOGY AND
NEUROLOGY**

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Describe the anatomy of Seventh cranial nerve and variations in its course. (25)
2. Describe the physiological principles involved in Labyrinthine, optokinetics, central and spinal parameters of equilibrium — Static and Dynamic. (25)
- 3 Short notes on : (5 × 10 = 50)
 - (a) Ototoxic drugs.
 - (b) Surgical management of Menieres syndrome.
 - (c) Impedance Audiometry.
 - (d) Malignant otitis externa.
 - (e) C.S.F. otorrhoea.

[KG 219] MARCH 2002 Sub. Code : 2228

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — ENT

Part II

**Paper I — ENT, INCLUDING AUDIOLOGY AND
NEUROLOGY**

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Pharmacology of sympathomimetics and their uses
in otolaryngology. (25)
2. Shock - Pathology (25)
3. Short notes on : (5 × 10 = 50)
 - (a) Immunology.
 - (b) Wave motion in a material medium.
 - (c) Vibration.
 - (d) Local anaesthesia and analgesic : Merits and demerits.
 - (e) Thrombosis and embolism.

SEPTEMBER 2002

[KH 219]

Sub. Code : 2228

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — ENT

Part II

**Paper I — ENT INCLUDING AUDIOLOGY AND
NEUROLOGY**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the surgical anatomy of the Labrynthine segment of Facial Nerve, outline the indication and the procedure for the surgical decompression of Facial Nerve. (25)
2. Describe the etiology, pathology investigations and surgical treatments of Menier's diseases. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Acoustic neuro fibroma
 - (b) Electro chochleo graphy
 - (c) Electro nystagmography
 - (d) Crocodile tears
 - (e) Lateral sinus thrombosis.

[KI 219]

APRIL 2003

Sub. Code : 2228

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — ENT

Part II

Paper I — ENT, INCLUDING AUDIOLOGY AND
NEUROLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Facial nerve — Course and grafting and Prognosis. (25)
2. Cavernous Sinus Thrombosis. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Complex sound various and phase difference
 - (b) Decibel
 - (c) Coagulation of blood
 - (d) Maintenance of balance of body
 - (e) Otolith organ.

6. Microbiology

- (a) Instruments sterilized by autoclave
- (b) Gram Staining
- (c) 'C' Reactive Protein
- (d) Lactobacilli
- (e) Rhinosporidiosis.

OCTOBER 2003

[KJ 219]

Sub. Code : 2228

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — ENT

Part II

Paper I — ENT, INCLUDING AUDIOLOGY AND
NEUROLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
Forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

M.C.Q. must be answered **SEPARATELY** on the
answer sheet provided as per the instructions on
the first page of M.C.Q. Booklet.

Answer **ALL** questions.

Draw suitable diagrams wherever necessary.

Write Essays : (2 × 15 = 30)

1. Describe the clinical features, diagnosis and
management of Acoustic neuroma.

2. Enumerate the causes of persistent conductive
deafness following stapedectomy in otosclerosis.
Critically evaluate the role of revision surgery in post-
stapedectomy cases.

3. Short notes : (10 × 5 = 50)

- (a) Cricopharyngeal myotomy.
- (b) Acoustic rhinometry.
- (c) Interferon therapy in recurrent Laryngeal
papillomatosis.
- (d) Role of Potassium Titanyl Phosphate laser in
ENT.
- (e) Bronchopulmonary segments.
- (f) Total communication approach in Deaf
mutism.
- (g) GERD (Gastro-Oesophageal Reflex Disease).
- (h) Endoscopic dacryo cysto rhinostomy.
- (i) Laryngomalacia.
- (j) Posterior tympanotomy.

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — ENT

Part II

Paper I — ENT, INCLUDING AUDIOLOGY AND
NEUROLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

(A) Essays : (2 × 15 = 30)

(1) Discuss the etiopathology, symptoms and management of malignant Otitis externa.

(2) Discuss the theories of aetiopathology, clinical features and management of Atrophic rhinitis.

(B) Write short notes on : (10 × 5 = 50)

- (1) Fistula test
- (2) Faucial diphtheria
- (3) Electronystagmography
- (4) Pure tone audiometry
- (5) Achalasia cardia
- (6) Glue ear
- (7) Dysphagia Lusoria
- (8) Electrogustometry
- (9) Cochlear Microphonics
- (10) Trigeminal neuralgia.

AUGUST 2004

[KL 219]

Sub. Code : 2228

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — ENT

Part II

Paper I — ENT, INCLUDING AUDIOLOGY AND
NEUROLOGY

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essays : (2 × 15 = 30)

(1) Discuss etiopathology and management of non suppurative otitis media.

(2) Describe chemodectomas of head and neck and their systemic effects. Describe pathology and surgical management of glomus jugulare by different routes.

II. Short notes : (10 × 5 = 50)

(a) Tympanomeatal flaps

(b) Floating foot plate of stapes

(c) Craniopharyngioma

(d) Bechet's syndrome

(e) Killian's deniscence

(f) Lingual thyroid

(g) Tests for recruitment

(h) CSF Rhinorrhoea

(i) TULLIO phenomenon

(j) Hemifacial Spasm.

SEPTEMBER 2006
[KP 219]

Sub. Code : 2228

M.S. DEGREE EXAMINATION.

Branch IV – ENT

ENT, INCLUDING AUDIOLOGY AND NEUROLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

(1) What are the pre malignant conditions of the larynx and how will you manage. (20)

(2) Describe the etiology, signs, symptoms, pathology and management of meniere's disease. (15)

(3) Describe the various cystic lesions in relation to nose and paranasal sinuses and its management. (15)

II. Short notes :

(6 × 5 = 30)

- (a) Stroboscopy**
- (b) Percutaneous tracheostomy**
- (c) Rhytidectomy**
- (d) Tumor Markers.**
- (e) Orbital Venography**
- (f) Endoscopic DCR**

[KQ 215] MARCH 2007 Sub. Code : 2231

M.S. DEGREE EXAMINATION.

Branch IV — E.N.T.

(For candidates admitted from 2004–05 onwards)

Paper II — E.N.T. INCLUDING AUDIOLOGY AND
NEURO-OTOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions:

1. Classify autoimmune inner ear disease and outline the available diagnostic methods and treatment. (20)

2. Role of CP angle endoscopy in neurovascular conflicts. (15)

3. Manifestations of barotraumas in middle and inner ears. (15)

II. Short notes : (6 × 5 = 30)

- (a) Cerebral Hernia
 - (b) Belfast Rule of Thumb
 - (c) Particle Reposition maneuver
 - (d) Masking dilemma
 - (e) Electrocochleography
 - (f) Ewald's Law
-

September 2008

[KT 226]

Sub. Code: 2231

M.S. DEGREE EXAMINATION

Branch IV – E.N.T.

**Paper II – E.N.T. INCLUDING AUDIOLOGY AND
NEURO-OTOLOGY**

(For candidates admitted from 2004-2005 onwards)

Q.P. Code : 222231

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Describe the aetiology, clinical features and management of sudden sensorineural hearing loss.
2. Describe clinical features and management of glomus jugulotympanicum.

II. Write short notes on :

(10 X 6 = 60)

1. Dynamic posturography.
 2. Otoplasty.
 3. Keratosis obturans
 4. Prosthesis in otological surgeries.
 5. Bithermal caloric test
 6. External ear canal cholesteatoma.
 7. Lateral sinus thrombosis.
 8. Fixed malleus syndrome.
 9. Management of ASOM
 10. Myringotomy.
-

March 2009

[KU 226]

Sub. Code: 2231

M.S. DEGREE EXAMINATION

Branch IV – E.N.T.

(For candidates admitted from 2004-2005 onwards)

**Paper II – E.N.T. INCLUDING AUDIOLOGY
AND NEURO-OTOLOGY**

Q.P. Code : 222231

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary.

I. Essay questions :

(2 x 20 = 40)

1. Theories of cholesteatoma.
2. Cerebello pontine angle anatomy and differential diagnosis of CP angle tumour.

II. Write short notes on :

(10 x 6 = 60)

1. Facial recess.
2. Electro cochleography.
3. Rhine test.
4. Noise induced hearing loss.
5. Perilymph fistula.
6. Differential diagnosis for otosclerosis.
7. Tympanic neurectomy.
8. Types of myringotomy tubes and their uses.
9. Presbiacusis.
10. Paget's disease.

March 2010

[KW 226]

Sub. Code: 2231

M.S. DEGREE EXAMINATION

Branch IV – E.N.T.

Common to

**Paper II - (For candidates admitted from 2004-2005 to 2007-08) and
Part II / Paper I – (For candidates admitted for 2008-09 onwards)**

**E.N.T. INCLUDING AUDIOLOGY
AND NEURO-OTOLOGY**

Q.P. Code : 222231

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Discuss definition, etiology, pathology, diagnosis and management of idiopathic sudden sensorineural hearing loss.
2. Describe clinical features, surgical management and complications of vestibular schwannoma including the role of stereotactic radio surgery.

II. Write short notes on :

(10 x 6 = 60)

1. Middle ear risk index.
2. Surgical approaches to cerebropontine angle lesions.
3. Benign necrotizing Otitis externa.
4. Otitic hydrocephalus.
5. Meneire's disease – surgical management.
6. Occupational hearing loss.
7. Middle ear implants.
8. Impedence audiometry.
9. Oto-acoustic emissions.
10. Modified radical mastoidectomy.

September 2010

[KX 226]

Sub. Code: 2231

M.S. DEGREE EXAMINATION

Branch IV – E.N.T.

E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

**Paper II - (For candidates admitted from 2004-2005 to 2007-08) and
Part II - Paper I – (For candidates admitted for 2008-09 onwards)**

Q.P. Code : 222231

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Mention the complications of attic antral ear disease and discuss the management of labyrinthine fistula.
2. Discuss in detail different tympanoplasty techniques.

II. Write short notes on :

(10 X 6 = 60)

1. Adhesive Otitis Media.
2. Oto-acoustic emissions.
3. Cavernous sinus thrombosis.
4. Middle ear implants.
5. External ear canal cholesteatoma.
6. Noise induced hearing loss.
7. Cochlear implants.
8. BPPV.
9. Bell's palsy.
10. Posturography.

May 2011

[KY 226]

Sub. Code: 2231

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P. Code : 222231

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|--|----|----|----|
| 1. What are the various causes of Vertigo? Discuss in detail the clinical and Neuro otological evaluation of a patient with Vertigo. Write about the management of BPPV. | 11 | 35 | 15 |
| 2. What are the complications of Chronic suppurative Otitis media? Discuss the Aetiopathogenesis, clinical features and management of Lateral Sinus Thrombosis. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Recruitment. | 4 | 10 | 7 |
| 2. Topognostic tests for Facial Nerve. | 4 | 10 | 7 |
| 3. Speech Audiometry. | 4 | 10 | 7 |
| 4. Anatomy of Eustachian Tube. | 4 | 10 | 7 |
| 5. Malignant Otitis externa. | 4 | 10 | 7 |
| 6. Evoked Response Audiometry. | 4 | 10 | 7 |
| 7. Glue ear. | 4 | 10 | 7 |
| 8. Stapedectomy. | 4 | 10 | 7 |
| 9. Oto Acoustic Emission. | 4 | 10 | 7 |
| 10. Myringitis Bullosa. | 4 | 10 | 7 |

April 2012

[LA 226]

Sub. Code: 2231

M.S. DEGREE EXAMINATION
BRANCH IV – E.N.T.
E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY
Q.P. Code : 222231

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Discuss in detail about the clinical manifestation, investigations and management of Acoustic Neuroma.	16	35	15
2. Discuss in detail about Malignant Otitis Externa and its management.	16	35	15

II. Write notes on :

1. Different types of Typanogram and discuss Type B Tympanogram.	4	10	7
2. Use of Oto Acoustic Emission in Hard of hearing.	4	10	7
3. Discuss the sequelae of Adhesive Otitis media and its management.	4	10	7
4. Management of Otosclerosis and describe Platinectomy.	4	10	7
5. Describe the pure Tone Audiography and discuss about Cahart's notch.	4	10	7
6. Discuss the Investigation and management of Noise induced deafness.	4	10	7
7. How do you manage Traumatic perforation of Tympanic Membrane.	4	10	7
8. Significance of Stapedial reflex in audiological Investigation.	4	10	7
9. Clinical findings and management of Keratosis Obturans.	4	10	7
10. Describe the various approaches for Vidian Neurectomy and procedure.	4	10	7

[LC 226]

APRIL 2013

Sub. Code: 2231

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P. Code : 222231

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. Describe the course of facial nerve in the temporal bone (With sketches) and discuss the management of Facial palsy, following a canal wall down mastoidectomy.
2. Discuss the aetiology and diagnosis of cerebello-pontine angle lesions, and outline the various approaches to surgical removal of acoustic neuroma.

II. Write notes on:

(10 x 7 = 70)

1. Brainstem Auditory Response.
2. VEMP.
3. Classify middle ear atelectasis and discuss management.
4. Use of biomaterials in middle ear.
5. Benign Intracranial Hypertension.
6. Posterior Tympanotomy.
7. Implications and application of 'Stapedial reflex'.
8. Diagnostic tests in Necrotizing otitis externa.
9. Tympanosclerosis.
10. Frey's syndrome.

(LE 226)

APRIL 2014

Sub. Code:2231

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P.Code: 222231

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss the etiology, clinical features and management for menieres disease.
2. Describe the postoperative problems of canal wall down mastoidectomy. What are the indications for obliteration of mastoid cavity? Discuss the various techniques to obliterate the cavity.

II. Write notes on:

(10X7=70)

1. Superior Semicircular canal dehiscence syndrome.
2. Perilymph fistula.
3. Autoimmune inner ear disorders.
4. Bilateral facial nerve palsy.
5. Hemifacial spasm.
6. CROS And BiCROS.
7. External canal cholesteatoma vs keratosis obturans.
8. Middle ear implants.
9. Vectors in intracochlear gene therapy.
10. Vestibular function tests.

(LF 226)

OCTOBER 2014

Sub. Code: 2231

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

PAPER II - E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P.Code: 222231

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Management of intra-operative problems encountered during Stapes surgery for Otosclerosis.
2. Discuss the etiopathogenesis, clinical features and diagnosis of BPPV. Outline the particle repositioning manoeuvres. Mention the surgical options available.

II. Write notes on:

(10 x 7 = 70)

1. Acute Coalescent mastoiditis and masked mastoiditis.
2. Congenital cholesteatoma.
3. Meatal Atresia.
4. Staging Tympanoplasty and mastoidectomy.
5. Tests for non-organic hearing loss.
6. Tuberculous Otitis Media.
7. VEMP.
8. Diagnosis and management of Patulous Eustachian Tube.
9. Hearing Aid.
10. Distortion product Oto Acoustic Emissions.

[LG 226]

APRIL 2015

Sub. Code: 2231

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P. Code : 222231

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Perilymph Fistula : Etio-pathogenesis, classification, clinical features & management.
2. Write an essay on detection and assessment of hearing loss in infants and children.
Discuss the treatment options for sensory neural hearing loss in children.

II. Write notes on:

(10 x 7 = 70)

1. Skull base Osteo myelitis.
2. Meatoplasty techniques in modified radical mastoidectomy.
3. Canal wall reconstruction tympano mastoidectomy.
4. Tympano sclerosis.
5. Temporal bone encephalocele and CSF leaks.
6. Butterfly chart.
7. Noise induced Hearing loss.
8. Clinical features and management of acute vestibular neuritis.
9. BAHA.
10. Intra muscular streptomycin sulphate titration treatment (ISS).

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P.Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail the etiology, clinical features and management of Glomus jugulare.
2. Classify cholesteatoma and discuss its etiology, clinical features and management.

II. Write notes on:

(10 x 7 = 70)

1. Noise induced hearing loss.
2. Tympanometry.
3. Bat ear.
4. Electro Nystagmography.
5. Deaf mutism.
6. Middle ear ventilating tubes.
7. Conservative Surgeries for menieres disorder.
8. Mobile foot plate.
9. Oto Immunology.
10. Surgical approaches to the posterior cranial fossa.

(LJ 226)

OCTOBER 2016

Sub. Code:2231

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P.Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are the causes for sudden sensorineural hearing loss? Discuss the investigations and treatment of the same.
2. Define and classify Tympanoplasty. Discuss the various Biomaterials used in Ossicular chain reconstruction.

II. Write notes on:

(10 x 7 = 70)

1. Benign Paroxysmal Position Vertigo (BPPV).
2. Bell's Palsy.
3. Impedance Audiometry.
4. Temporal Bone Fractures.
5. Audiometric tests for malingering.
6. Congenital Cholesteatoma.
7. Cochlear Otosclerosis.
8. Bat Ear.
9. Keratosis Obturans.
10. Glomus Jugulare.

(LK 226)

MAY 2017

Sub. Code:2231

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P.Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the aetiology, clinical features and management of otosclerosis.
2. Discuss facial Nerve paralysis and its management.

II. Write notes on:

(10 x 7 = 70)

1. Congenital cholesteatoma.
2. Posturography.
3. Acoustic Reflex.
4. Endolymphatic sac surgeries.
5. Oto Acoustic Emissions.
6. Non organic Hearing loss.
7. Malignant Otitis externa.
8. Bera.
9. Glue ear.
10. Pneumatisation of temporal bone.

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P.Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss etiology, pathogenesis, investigations and surgical treatment of meniere's disease.
2. Discuss aetiopathology, clinical features and management of otogenic brain abscess.

II. Write notes on:

(10 x 7 = 70)

1. Theories of cholesteatoma.
2. Prosthesis in otology.
3. Recruitment.
4. Brainstem evoked response audiometry (BERA).
5. Myringotomy.
6. Otosclerosis.
7. Middle ear risk index.
8. Otic hydrocephalus.
9. Glue ear.
10. Causes of cranial nerve palsy.

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P.Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the diagnostic criteria, investigations and treatment of Meniere's disease.
2. Write an essay on the temporal bone fractures, etiology, classifications, clinical features and management.

II. Write notes on:

(10 x 7 = 70)

1. Persistent ear discharge after modified radical mastoidectomy for cholesteatoma.
2. Labrynthine fistula in cholesteatoma.
3. Waardenburg syndrome.
4. Management of sudden sensory neural hearing loss.
5. Sialastics in middle ear.
6. Vestibular Paroxysmia.
7. New Born hearing assessment.
8. Presbyacosis.
9. Revision Stapedectomy.
10. Combined approach Tympanplasty Operation (CAT).

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P. Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. How would you investigate and manage a case of positional vertigo?
2. Describe the classical indications and procedure of modified radical mastoidectomy.

II. Write notes on:

(10 x 7 = 70)

1. Electrocochleography.
2. Cortical Auditory Evoked potentials.
3. Causes of facial nerve palsy.
4. Theories of pneumatisation of mastoid.
5. Perilymph fistula.
6. Gradenigo syndrome.
7. Surgical approaches for Vestibular Schwannoma.
8. Video Head Impulse Test (VHIT) and Interpretations.
9. Lateral sinus thrombophlebitis.
10. Otitic Barotrauma.

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P. Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss about the etiology of congenital SNHL. Write about the investigations and workup of a child for Cochlear implant surgery.
2. Define chronic otitis media and how do you classify them? Write about the pathology of COM. Discuss about the medical and surgical management of mucosal type of COM.

II. Write notes on:

(10 x 7 = 70)

1. Idiopathic sudden sensory neural hearing loss.
2. BPPV.
3. Medical management of Meniere's disease.
4. Objective Tinnitus.
5. Tympanometry.
6. Presbycusis.
7. Furunculosis of ear.
8. Primary auditory canal cholesteatoma.
9. Auditory neuropathy.
10. Surgical approaches to CP angle.

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P. Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe about etiopathology, clinical features and management of Otosclerosis.
2. Describe the causes and mechanism of referred otalgia.

II. Write notes on:

(10 x 7 = 70)

1. Type III tympanoplasty.
2. Malignant otitis externa.
3. Oto acoustic emissions.
4. Congenital cholesteatoma.
5. Endolymphatic sac decompression.
6. Autoimmune ear disease.
7. Waardenberg syndrome.
8. Fistula test.
9. Vestibular evoked myogenic potential.
10. Fitzgerald Hallpike manoeuvre.

[LQ 226]

AUGUST 2020
(MAY 2020 SESSION)

Sub. Code: 2231

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P. Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the post-operative problems of canal wall down mastoidectomy. What are the indications for obliteration of mastoid cavity? Discuss the various techniques to obliterate the cavity.
2. Describe the course of facial nerve in the temporal bone (with sketches). Discuss the management of facial palsy with surgical methods.

II. Write notes on:

(10 x 7 = 70)

1. Superior semicircular canal dehiscence syndrome
2. Middle ear implants
3. Revision stapedectomy
4. Tests for non-organic hearing loss
5. Management of ASOM
6. Meatal atresia
7. Butterfly chart
8. Tympanosclerosis
9. Intra muscular streptomycin sulphate titration treatment (ISS)
10. Skull base osteomyelitis

[MS 0721]

JULY 2021

Sub. Code: 2231

(MAY 2021 SESSION)

M.S. DEGREE EXAMINATION

BRANCH IV – E.N.T.

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P. Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. A patient came with c/o sudden hearing loss. Discuss how we investigate this patient and the probable.
2. Define otosclerosis. Discuss in detail the pathogenesis types. Clinical and audiological features, investigation and treatment of otosclerosis.

II. Write notes on:

(10 x 7 = 70)

1. Tumours of the external auditory canal.
2. Usher's syndrome.
3. Cholesteatoma.
4. Internal auditory meatus.
5. Topodiagnostic tests for facial nerve palsy.
6. Brainstem evoked response audiometry and its applications.
7. Hearing screening in neonates.
8. Speech Audiometry.
9. Indications for cochlear implant.
10. Referred otalgia.

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

[MS 0522]

MAY 2022

Sub. Code: 2231

**M.S. DEGREE EXAMINATION
BRANCH IV – OTO-RHINO-LARYNGOLOGY
PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY
Q.P. Code: 222231**

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. A 6-year-old child with H/O mouth breathing, B/L CHL & B type tympanogram. Discuss the etiopathogenesis, diagnosis, management and treatment outcome of this child.
2. Discuss the advantages and disadvantages of managing mucosal COM in an adult with Endoscope. Also discuss about the role of middle ear cleft and ventilation routes in the pathogenesis of COM.

II Write notes on: (10x7=70)

1. Congenital anomalies of Pinna.
2. Acute Mastoiditis in a child.
3. Enumerate the steps of doing an audiometry for a patient with CHL.
4. Migraine related vertigo.
5. How to evaluate a patient with acute vertigo in an emergency room.
6. What are oto acoustic emissions? What are its uses in ENT?
7. Acute onset hearing loss in an adult.
8. What is cone beam CT, what are its advantages?
9. Canal wall cholesteatoma.
10. Auditory neuropathy.

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

[MS 1022]

OCTOBER 2022

Sub. Code: 2231

M.S. DEGREE EXAMINATION

BRANCH IV – OTO-RHINO-LARYNGOLOGY

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P. Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the aetiology, clinical features and management of labyrinthine fistula.
2. Discuss the causes for bleeding from ear. Describe classifications, investigations and treatment of Glomus tumour.

II. Write notes on:

(10 x 7 = 70)

1. Meatoplasty techniques in modified radical mastoidectomy.
2. Electro cochleography.
3. Tympanic neurectomy.
4. Hemifacial spasm.
5. Role of laser in otology.
6. Theories of pneumatization of mastoid cellular system.
7. Malignant Otosclerosis.
8. Surgical approaches to CP angle.
9. Cartilage tympanoplasty.
10. Lateral sinus thrombosis.

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

[MS 0723]

**JULY 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 2231

**M.S. DEGREE EXAMINATION
BRANCH IV – OTO-RHINO-LARYNGOLOGY
PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY**

Q.P. Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Elaborate on Congenital Hearing Loss. Explain in detail about Syndromic Hearing Loss.
2. A 20 year male comes with complaints of Unilateral Facial Palsy. Explain the etiology and management of this patient?

II. Write notes on:

(10x7=70)

1. Electronystagmogram.
2. Meniett device.
3. Secretory otitis media.
4. Impedance Audiogram.
5. Cochlear implant candidacy criteria.
6. Myringitis bullosa.
7. Ossiculoplasty.
8. CP angle tumors.
9. Types of Ventilation tubes.
10. Surgical approaches of petrous apex.

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

[MS 1223]

DECEMBER 2023

Sub. Code: 2231

(OCTOBER 2023 EXAM SESSION)

M.S. DEGREE EXAMINATION

BRANCH IV – OTO-RHINO-LARYNGOLOGY

PAPER II – E.N.T. INCLUDING AUDIOLOGY AND NEURO-OTOLOGY

Q.P. Code: 222231

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the course of facial nerve in the temporal bone with diagram. Discuss the surgical management of unilateral facial nerve palsy.
2. A 60 years old male presents with bilateral secretory otitis media. Discuss in detail about managing this patient.

II. Write notes on:

(10x7=70)

1. Meniere's disease.
2. External Auditory Meatus and its importance.
3. Myiasis of the ear.
4. Hearing Aids.
5. Newborn hearing screening programme.
6. Perforation of tympanic membrane.
7. Fracture of temporal bone.
8. Structure of cochlea.
9. Jervell and Lange-Nielsen syndrome.
10. Anaesthesia in cochlear implant surgeries.
