

[KD 213] **APRIL 2001** Sub. Code : 2224

M.S. DEGREE EXAMINATION.

(New/Revised Regulations)

Branch III — Ophthalmology

Part II

**Paper II — OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Time : Three hours Maximum 100 marks

Answer ALL questions

1. Describe the maculopathy in diabetes. Discuss its management. (25)
2. What are the mechanisms of action of various drugs used for lowering of intraocular pressure. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Antifungal drugs.
 - (b) Superior oblique sheath syndrome
 - (c) Histology in retinoblastoma.
 - (d) Ocular manifestations of thrombosis of cavernous sinus
 - (e) Tumours of the optic nerve.

NOVEMBER 2001

[KE 213]

Sub. Code : 2223

M.S. DEGREE EXAMINATION..

(New/Revised Regulations)

Branch III — Ophthalmology

Part II

Paper II — OPHTHALMOLOGY INCLUDING
NEUROOPHTHALMOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the circle of Willis and its relations. What are the ocular lesions that may be produced by lesions in it? (25)
2. Discuss the classification, pathogenesis and treatment of diabetic retinopathy. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Malignant glaucoma.
 - (b) Toxic amblyopia.
 - (c) Vitreous replacement substances
 - (d) Paralytic squint.
 - (e) Wernicks heamianopic pupil.

[KG 213] MARCH 2002 Sub. Code : 2224

M.S. DEGREE EXAMINATION.

(New/Revised Regulations)

Branch III — Ophthalmology

Part II

Paper II — OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Correlate the clinical features produced by lesions at different levels of visual pathway. (25)
2. Discuss the differential diagnosis and management of unilateral proptosis (25)
- 3 Write briefly on : (5 × 10 = 50)
 - (a) Myasthenia gravis.
 - (b) Botulism toxin in the treatment of squint.
 - (c) Disc changes in glaucoma.
 - (d) Tear film.
 - (e) Treatment of Acanthamoeba keratitis.

SEPTEMBER 2002

KH 213]

Sub. Code : 2224

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

Paper II — OPHTHALMOLOGY INCLUDING
NEUROOPHTHALMOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Describe Ocular Manifestations and management
of Neurofibromatosis. (25)

Describe Corneal allograft rejection and its
management. (25)

Write briefly on : (5 × 10 = 50)

- (a) Age related macular degeneration
 - (b) Management of Fungal corneal ulcer
 - (c) Wegener Granulomatosis
 - (d) Amniotic membrane graft
 - (e) Reiter Syndrome.
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[KI 213] APRIL 2003

Sub. Code : 2224

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

Paper II — OPHTHALMOLOGY INCLUDING
NEURO-OPHTHALMOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the ophthalmic signs and symptoms of demyelinating diseases of Central Nervous System. Mention briefly their management. (25)
 2. Discuss the ocular manifestations of Diabetes mellitus. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Role of Lasers in Glaucoma treatment
 - (b) Ocular neurosis
 - (c) Low visual aids
 - (d) Sick cell retinopathy
 - (e) Gradenigo's syndrome.
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[KJ 213] OCTOBER 2003 Sub. Code : 2224

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

**Paper II — OPHTHALMOLOGY INCLUDING
NEURO-OPHTHALMOLOGY**

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.

Essays : (2 × 15 = 30)

**1. Describe the anatomy and blood supply of optic
chiasma and discuss the clinical features, field defects
and management of pituitary adenoma.**

**2. Describe the clinical features, investigations and
management of Toxoplasmosis.**

3. Short notes : (10 × 5 = 50)

- (a) Tolosa Hunt Syndrome.**
- (b) Pseudo glioma**
- (c) Botulinum Toxin.**
- (d) Argyll Robertson pupil.**
- (e) Sympathetic Ophthalmitis.**
- (f) Myasthenia Gravis.**
- (g) Toxic Amblyopias.**
- (h) HLA in Ophthalmology.**
- (i) Sturge Weber Syndrome.**
- (j) Retinopathy of prematurity.**

AUGUST 2004

Sub. Code : 2224

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

Paper II — OPHTHALMOLOGY INCLUDING NEURO-OPHTHALMOLOGY

Time : Three hours **Maximum : 100 marks**

Theory : Two hours and forty minutes	Theory : 80 marks
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M.C.Q. : Twenty minutes **M.C.Q. : 20 marks**

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essays : (2 × 15 = 30)

(1) Discuss clinical features and management of congenital glaucoma.

(2) Discuss anatomy, course and applied aspects of oculomotor nerve.

II. Short notes : (10 × 5 = 50)

- (a) Ocular manifestation of AIDS.
- (b) Management of pseudo tumour orbit.
- (c) Draw diagram of superior orbital fissure.
- (d) Visco elastics.
- (e) Multifocal IOLs.
- (f) Central scotomas.
- (g) Amblyopia ex anopsia.
- (h) Sturge Weber Syndrome.
- (i) Congenital dacryo cystitis.
- (j) Posterior scleritis.

FEBRUARY 2005
[KM 213] **Sub. Code : 2224**

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

**Paper II — OPHTHALMOLOGY INCLUDING
NEURO-OPHTHALMOLOGY**

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 : (2 × 15 = 30)

**(1) Describe the ocular symptoms and signs —
Field changes in pituitary tumours.**

**(2) Describe the Aetiology and management of
Acute Congestive Glaucoma.**

II. Short notes : (10 × 5 = 50)

- (a) Complications of Anterior Chamber IOLs.**
- (b) Management of Retinoblastoma.**
- (c) Uses of Cryo.**
- (d) Paracentesis.**
- (e) Indications of steroids in ophthalmology.**
- (f) Management of central retinal vein
occlusion.**
- (g) Acanthamoeba Keratitis.**
- (h) Pars planitis.**
- (i) Duanne – Retraction Syndrome.**
- (j) Pharmacological immuno suppression in
corneal graft failure.**

[KO 213] MARCH 2006 Sub. Code : 2224

M.S. DEGREE EXAMINATION.

Branch III — Ophthalmology

OPHTHALMOLOGY INCLUDING
NEURO-OPHTHALMOLOGY

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 : (2 × 15 = 30)

(1) Discuss the common causes, clinical features
and management of optic neuritis.

(2) Discuss the various types of chiasmal lesions
and their field defects.

II. Short notes : (10 × 5 = 50)

(a) Isolated sixth cranial nerve palsy

(b) Aphakic glaucoma

(c) Ocular manifestations of thyroid
ophthalmopathy

(d) Pseudo tumour cerebri-clinical
manifestations

(e) Alkali burn injuries of eye

(f) Clinical features of keratoconus

(g) Management of congenital cataract

(h) Symblepharon

(i) Management of vitreous haemorrhage

(j) Adie's syndrome.

SEPTEMBER 2006

[KP 213]

Sub. Code : 2224

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

**Paper II — OPHTHALMOLOGY INCLUDING
NEURO-OPHTHALMOLOGY**

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.

Draw suitable diagrams wherever necessary.

I. Essay :

- 1. Describe etiology, types and Management of
Congenital cataract. (20)**
- 2. Discuss the causes, clinical features and
management of cavernous sinus thrombosis. (15)**
- 3. Classification of ptosis. Discuss the surgical
management of ptosis. (15)**

II. Write short notes on :

(6 × 5 = 30)

- (a) Inter nuclear ophthalmoplegia**
 - (b) Telecanthus**
 - (c) Lateral orbitotomy**
 - (d) Enophthalmos**
 - (e) Horner's syndrome**
 - (f) Hyphaema, causes, complication and
management.**
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[KQ 212] MARCH 2007 Sub. Code : 2224

M.S. DEGREE EXAMINATION.

**Branch III — Ophthalmology
OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Common to

**Part II — Paper II — (Old/New/Revised Regulations)
(Candidates admitted from 1988–89 onwards)**

And

**Paper III — (For candidates admitted from
2004–05 onwards)**

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) Describe the etiology clinical features and
management of optic neuritis. (20)**

**(2) Classify uveitis. Describe clinical features
and management of ocular toxoplasmosis. (15)**

**(3) What is nystagmus? Classify nystagmus.
How do you manage a case of nystagmus? (15)**

II. Write short notes :

(6 × 5 = 30)

- (a) Acute dacryoadenitis.**
 - (b) Ciliary body melanoma.**
 - (c) Ophthalmoplegic migraine.**
 - (d) Sturge weber syndrome.**
 - (e) Corneal graft rejection.**
 - (f) Cyclo destructive procedures.**
-

SEPTEMBER 2007

[KR 217]

Sub. Code : 2223

M.S. DEGREE EXAMINATION.

Branch III — Ophthalmology

OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY

Common to

Part II — Paper II — (Old/New/Revised Regulations)

(Candidates admitted upto 2003-04)

And

Paper III — (For candidates admitted from
2004-05 onwards)

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. Describe the evaluation of a case of Ptosis.
Describe the principles of correction of Ptosis. (20)

2. Describe the ophthalmic manifestations of
Acquired Immune Deficiency Syndrome. (15)

3. Describe the aetiology and management of
Congenital glaucomas. (15)

II. Write short notes on : (6 × 5 = 30)

(a) Ratinoschisis

(b) Pharmacologic modulators in glaucoma
filtering surgery

(c) Carotid-Cavernous fistula

(d) Foville's syndrome

(e) Ophthalmic manifestations in
neurofibromatosis

(f) Retinal Tamponade.

March-2008

[KS 217]

Sub. Code : 2223

M.S. DEGREE EXAMINATION.

Branch III — Ophthalmology

**OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Common to

Part II — Paper II — (Old/New/Revised Regulations)

(Candidates admitted upto 2003–04)

And

**Paper III — (For candidates admitted from
2004–05 onwards)**

Q.P. Code : 222223

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essays : (2 × 20 = 40)

1. Describe the investigations in case of chronic uveitis. Describe the complications and management of uveitis. (20)

2. Describe the pathology, clinical findings, investigations and management of Diabetic retinopathy. (20)

II. Short notes :

(10 × 6 = 60)

1. Kerato conus
2. Preservation of donor cornea
3. Tonic pupil
4. Causes of unilateral papilloedema
5. Tuberos sclerosi
6. Pseudo exfoliation
7. Amari
8. Branch retinal vein occlusion
9. Ocular manifestations of neurofibromatosis
10. Apical syndrome.

September 2008

[KT 217]

Sub. Code: 2223

M.S. DEGREE EXAMINATION

Branch III – Ophthalmology

**OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Common to

Part II – Paper II – (Old/New/Revised Regulations)

(candidates admitted upto 2003-04)and

Paper III - (For candidates admitted from 2004-2005 onwards)

Q.P. Code : 222223

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Micro anatomy and blood supply of optic chiasma, discuss clinical features, field defect and management of pituitary adenoma.
2. Discuss the aetiology, clinical features and management of dysthyroid ophthalmopathy (THYROID EYE DISEASE).

II. Write short notes on :

(10 X 6 = 60)

1. Horner's syndrome.
 2. Orbital cellulites.
 3. Choroidal folds.
 4. Rhabdomyosarcoma.
 5. Aberrant third nerve.
 6. Pars planitis.
 7. Blow out fracture of orbit.
 8. Symblepharon.
 9. Fuchs endothelial dystrophy.
 10. Uses of contact lens in ophthalmology.
-

March 2009

[KU 217]

Sub. Code: 2223

M.S. DEGREE EXAMINATION

Branch III – OPHTHALMOLOGY

Common to

Part II – Paper II - (Candidates admitted upto 2003-2004) and

Paper III - (For candidates admitted from 2004-2005 to 2007-08)

OPHTHALMOLOGY INCLUDING NEURO

OPHTHALMOLOGY

Q.P. Code : 222223

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Discuss the clinical picture in 3rd cranial nerve paralysis at different levels of its course.
2. Discuss ocular manifestations and management of dysthyroid ophthalmopathy.

II. Write short notes on :

(10 x 6 = 60)

1. Blow out fracture of orbit.
2. Ocular cysticercosis.
3. Fuch's corneal dystrophy.
4. Anterior necrotizing scleritis.
5. Lacrimal gland tumours.
6. Neovascular glaucoma.
7. Congenital anomalies of lens.
8. Management of keratoconus.
9. Anterior ischaemic optic neuropathy.
10. Acanthamoeba keratitis.

September 2009

[KV 217]

Sub. Code: 2223

M.S. DEGREE EXAMINATION

Branch III – OPHTHALMOLOGY

Common to

Part II – Paper II - (Candidates admitted upto 2003-2004) and

Paper III - (For candidates admitted from 2004-2005 to 2007-08)

OPHTHALMOLOGY INCLUDING NEURO

OPHTHALMOLOGY

Q.P. Code : 222223

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Evaluation in a patient of paralytic squint and management of lateral rectus palsy.
2. Anatomy of visual pathway and visual field changes in optic tract lesions.

II. Write short notes on :

(10 x 6 = 60)

1. Parinaud's dorsal midbrain syndrome.
2. Facial nerve palsy.
3. Morning glory syndrome.
4. Migraine.
5. Optic neuritis.
6. Magnetic resonance imaging.
7. Myasthenia gravis.
8. Pituitary adenoma.
9. Leber's hereditary optic neuropathy.
10. Nystagmus.

March 2010

[KW 217]

Sub. Code: 2223

M.S. DEGREE EXAMINATION

Branch III – OPHTHALMOLOGY

**Part II – Paper II – (Candidates admitted upto 2003-04 & 2008-09 onwards)
and**

Paper III - (For candidates admitted from 2004-2005 to 2007-08)

**OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P. Code : 222223

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Define and classify strabismus. Write about the clinical evaluation of strabismus. Describe its surgical procedures.
2. Describe the anatomy of sclera. Classification and management of scleritis.

II. Write short notes on :

(10 x 6 = 60)

1. Demyelinating diseases.
2. Sixth cranial nerve.
3. Facial spasm.
4. Kerato prosthesis.
5. Optic atrophy.
6. Papilloedema.
7. Horner syndrome.
8. Cranio pharyngioma.
9. Choroidal folds
10. Migraine.

September 2010

[KX 217]

Sub. Code: 2223

M.S. DEGREE EXAMINATION

Branch III – Ophthalmology

**OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

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

Q.P. Code : 222223

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Classify Diabetic retinopathy. Discuss its management in each stage.
2. Discuss the clinical signs, symptoms and management of a case of Herpes zoster ophthalmicus.

II. Write short notes on :

(10 X 6 = 60)

1. Optic Neuritis.
2. Sixth cranial nerve.
3. Vitreous haemorrhage.
4. Age Related Macular Degeneration (ARMD).
5. Entropion.
6. Papilloedema.
7. Pseudohypopyon.
8. Cherry red spot at macula.
9. Tonometry.
10. Contracted Socket.

May 2011

[KY 217]

Sub. Code: 2223

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

OPHTHALMOLOGY INCLUDING NEURO OPHTHALMOLOGY

Q.P. Code : 222223

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

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages (Max.)	Time (Max.)	Marks (Max.)
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- | | | | |
|--|----|----|----|
| 1. Describe the aetiology, classification, pathogenesis, clinical features and management of Retinopathy of prematurity. | 11 | 35 | 15 |
| 2. Discuss in detail stromal corneal dystrophies. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Masquerade syndrome. | 4 | 10 | 7 |
| 2. Relative afferent pupillary defect. | 4 | 10 | 7 |
| 3. Neovascular glaucoma. | 4 | 10 | 7 |
| 4. Pathogenesis of papilloedema. | 4 | 10 | 7 |
| 5. Lymes disease. | 4 | 10 | 7 |
| 6. Browne's syndrome. | 4 | 10 | 7 |
| 7. Ectropian. | 4 | 10 | 7 |
| 8. Third cranial nerve. | 4 | 10 | 7 |
| 9. Pachymetry. | 4 | 10 | 7 |
| 10. Tuberous sclerosis. | 4 | 10 | 7 |

October 2011

[KZ 217]

Sub. Code: 2223

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

OPHTHALMOLOGY INCLUDING NEURO OPHTHALMOLOGY

Q.P. Code : 22223

**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. Myasthenia gravis-clinical features, diagnosis and Treatment.	11	35	15
2. Axial proptosis – discuss etiology and management.	11	35	15

II. Write notes on :

1. Xeroderma pigmentosum.	4	10	7
2. Haemangioma of the choroids.	4	10	7
3. Pseudo exfoliation.	4	10	7
4. Subluxated lens.	4	10	7
5. Lagophthalmos.	4	10	7
6. Convergent squint in a 3 months old child.	4	10	7
7. Specular microscopy.	4	10	7
8. Vitreous floaters.	4	10	7
9. Vascularization of the cornea-causes, types and management.	4	10	7
10. Stages of Papilloedema and investigations needed in case of Papilloedema.	4	10	7

APRIL 2012

[LA 217]

Sub. Code: 2223

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
OPHTHALMOLOGY INCLUDING NEURO OPHTHALMOLOGY**

Q.P. Code : 222223

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

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages (Max.)	Time (Max.)	Marks (Max.)
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- | | | | |
|---|----|----|----|
| 1. Trace the course and relations of Fourth nerve.
Mention the peculiarities and diagnosis of its palsy. | 16 | 35 | 15 |
| 2. Clinical features, Syndromes associated and treatment of
Retinitis pigmentosa. | 16 | 35 | 15 |

II. Write notes on :

- | | | | |
|---|---|----|---|
| 1. Horner's syndrome-Types and diagnostic features. | 4 | 10 | 7 |
| 2. Pigmentary glaucoma –clinical features and management. | 4 | 10 | 7 |
| 3. Orbital pseudotumour- Differential diagnosis
and Management. | 4 | 10 | 7 |
| 4. Von Hippel Lindau's diseases –Ocular and systemic features. | 4 | 10 | 7 |
| 5. Moorens Ulcer- different types, differential diagnosis
and management. | 4 | 10 | 7 |
| 6. Sympathetic ophthalmitis – Clinical features, pathology
and management. | 4 | 10 | 7 |
| 7. Siderosis bulbi –Cause and clinical features. | 4 | 10 | 7 |
| 8. Ac/A ratio – Definition and its importance. | 4 | 10 | 7 |
| 9. Double elevator palsy- Management. | 4 | 10 | 7 |
| 10. Toxic Amblyopia –Causes, clinical features and
management. | 4 | 10 | 7 |

[LB 217]

OCTOBER 2012

Sub. Code: 2223

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

OPHTHALMOLOGY INCLUDING NEURO OPHTHALMOLOG

Q.P. Code : 222223

Time : 3 hours

Maximum : 100 marks

(180 Min)

Answer ALL questions in the same order.

I. Elaborate on:

Pages Time Marks

(max.) (max.) (max.)

1. Discuss the definition, aetiology, clinical features, investigation and management of endophthalmitis.	16	35	15
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2. Discuss the ocular manifestations of Herpes Simplex and their management	16	35	15
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II. Write notes on:

1. Management of chemical burns	4	10	7
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2. Localization of third cranial nerve palsy	4	10	7
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3. Sturge – weber syndrome	4	10	7
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4. Types, features & management of Ectropion	4	10	7
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5. Discuss the causes, clinical features & management of Neovascular	4	10	7
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glaucoma

6. Aetiology, grading, differential diagnosis & management of Macular hole	4	10	7
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7. Internuclear ophthalmoplegia	4	10	7
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8. Duane's syndrome	4	10	7
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9. Aetiology, clinical features & management of Blow out fracture	4	10	7
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10. Ocular involvement in Myasthenia gravis	4	10	7
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[LC 217]

APRIL 2013

Sub. Code: 2223

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
OPHTHALMOLOGY INCLUDING NEURO OPHTHALMOLOGY**

Q.P. Code : 22223

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. Define and classify psuedotumour of the orbit. Discuss the types, clinical features, differential diagnosis and management in detail.
2. Discuss the etiology, classification, clinical features, differential diagnosis and management of optic neuritis. Add a note on the relationship with multiple sclerosis.

II. Write notes on:

(10 x 7 = 70)

1. Ocular manifestations of leukaemia
2. Superior orbital fissure syndrome
3. Tuberous sclerosis
4. Acquired ptosis
5. Management of unilateral congenital glaucoma
6. Central serous retinopathy
7. Schirmer's test
8. Accommodative esotropia
9. Hess chart
10. Pars planitis

[LD 217]

OCTOBER 2013

Sub. Code: 2223

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
OPHTHALMOLOGY INCLUDING NEURO OPHTHALMOLOGY**

Q.P. Code : 222223

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. Describe the aetiology, Clinical features and management of optic neuritis.
2. Discuss the aetiology, Clinical features and management of Thyroid Eye Disease.

II. Write notes on:

(10 x 7 = 70)

1. Symptoms and management of Migraine.
2. Clinical features and management of Pituitary Adenoma.
3. Nystagmus - types.
4. Indications and uses of keratoprosthesis.
5. Uses of pachymeter.
6. Aetiology clinical features and management of vitreous hemorrhage.
7. Types of age related macular degeneration, clinical features and management.
8. Pathogenesis of papilledema.
9. Types of Ectropion and management.
10. Etiology of pseudo hypopyon and management.

(LE 217)

APRIL 2014

Sub. Code:2223

M.S. DEGREE EXAMINATION

**BRANCH III - OPHTHALMOLOGY
OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P.Code: 222223

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss about examination of a case of Ptosis. Investigations and Management.
2. Discuss about Branch Retinal vein Occlusion. Classification, Investigation and management.

II. Write notes on:

(10X7=70)

1. Ocular surface squamous Neoplasia.
2. Filamentary Keratitis.
3. Management of Congenital Glaucoma.
4. Intravitreal Antibiotics.
5. Crouzons syndrome.
6. Toxocariasis.
7. Lattice degeneration in Retina.
8. Luxation of Globe.
9. Prism bar test.
10. IOL Power calculation in children.

(LF 217)

OCTOBER 2014

Sub. Code:2223

**M.S. DEGREE EXAMINATION
BRANCH III - OPHTHALMOLOGY**

**PAPER III - OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P.Code: 222223

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Etiopathogenesis, clinical features, investigations and management of unilateral proptosis.
2. Causes, clinical manifestation and management of papilloedema.

II. Write notes on:

(10 x 7 = 70)

1. Central serous chorioretinopathy.
2. Clinical phases, systemic association and complications of Vogt Koyanagi Harada syndrome.
3. Anterior ischaemic optic neuropathy.
4. Ocular hypertension.
5. Brown's syndrome.
6. Neuro paralytic keratitis.
7. Myasthenia gravis.
8. A-V phenomenon.
9. Tests for suppression.
10. Masquerade syndrome.

[LG 217]

APRIL 2015

Sub. Code: 2223

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY**

PAPER III – OPHTHALMOLOGY INCLUDING NEURO OPHTHALMOLOGY

Q.P. Code : 222223

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Etiology, clinical features, investigations and management of exudative retinal detachment.
2. Pathogenesis, clinical features, differential diagnosis, evaluation and management of congenital glaucoma.

II. Write notes on:

(10 x 7 = 70)

1. Mucopolysaccharidosis.
2. Pathology of visual disturbance in papilloedema.
3. Bilateral proptosis in childhood.
4. Clinical evaluation of endothelium and management of corneal edema.
5. Etiology of 3, 4 and 6 cranial nerve palsy.
6. Abnormal pupillary reactions.
7. Contracted socket.
8. Choroidal hemangioma.
9. Differential diagnosis of anterior uveitis.
10. Double elevator palsy.

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY**

PAPER III – OPHTHALMOLOGY INCLUDING NEURO OPHTHALMOLOGY

Q.P. Code : 222223

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Discuss etiology, classification, clinical features, differential diagnosis and management of optic neuritis and its relationship with multiple sclerosis.
2. Clinical features, diagnosis and treatment of Myasthenia gravis.

II. Write notes on:

(10 x 7 = 70)

1. Differential diagnosis of Limbal nodules.
2. Subluxated lens.
3. Lagophthalmos.
4. Lyme's disease.
5. Phorias.
6. Tuberous Sclerosis.
7. Cherry red spot.
8. Anterior necrotizing scleritis.
9. Congenital anomalies of cornea.
10. Crouzon's syndrome.

(LI 217)

APRIL 2016

Sub. Code:2223

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P.Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Clinical features, types, syndromes associated and treatment of oculomotor nerve palsy.
2. Discuss in detail about childhood glaucomas and their management.

II. Write notes on:

(10 x 7 = 70)

1. Esotropia.
2. Papilloedema.
3. Migraine.
4. Myasthenia gravis.
5. Morning glory syndrome.
6. Acanthamoeba keratitis.
7. Blow out fracture of orbit.
8. Pathological myopia.
9. Aberrant third nerve.
10. Indications of contact lens.

(LJ 217)

OCTOBER 2016

Sub. Code:2223

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY**

**PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P.Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Classify and discuss central retinal vein occlusion. Discuss its management.
2. Trace the pathway of sixth nerve. Discuss sixth nerve palsy and management.

II. Write notes on:

(10 x 7 = 70)

1. Tonometry.
2. Fourth nerve palsy.
3. Bulls eye maculopathy.
4. Optic atrophy.
5. Ectropion.
6. Herpes zoster ophthalmicus.
7. Anterior Ischemic Optic Neuropathy (AION).
8. Choroidal folds.
9. Craniopharygioma.
10. Horner's syndrome.

(LK 217)

MAY 2017

Sub. Code:2223

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P.Code: 222223

Time: Three Hours

Maximum: 100 Marks

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

1. Causes, clinical features and management of abducent Nerve palsy.
2. Causes, Diagnosis and treatment of Papillitis.

II. Write notes on: **(10 x 7 = 70)**

1. Coloboma.
2. Neuroretinitis.
3. Chronic progressive external ophthalmoplegia.
4. Horner's syndrome.
5. Trachoma.
6. Herpes Zoster Ophthalmicus.
7. Visual fields in chiasmal lesions.
8. Brown's syndrome.
9. Ocular and systemic risk factors for primary angle closure glaucoma.
10. Diplopia.

(LL 217)

OCTOBER 2017

Sub. Code:2223

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY**

**PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P.Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail the ocular complications in Head injury and the role of neuro-ophthalmologist in its management.
2. Describe the Optic chiasma. Discuss in detail the clinical features, field defects and management of Pituitary adenoma.

II. Write notes on:

(10 x 7 = 70)

1. Toxic-Amblyopia.
2. Preservation of donor cornea.
3. Pars planitis.
4. Optokinetic Nystagmus.
5. Thrombosis of cavernous sinus.
6. Masquerade syndrome.
7. Occlusion Therapy.
8. Aberrant regeneration of third nerve.
9. Anterior Ischemic Optic Neuropathy.
10. Double elevator palsy.

[LM 217]

MAY 2018

Sub. Code: 2223

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P.Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the pupillary pathway and discuss in detail abnormal pupillary reactions.
2. Classification of ptosis, evaluation and management of ptosis.

II. Write notes on:

(10 x 7 = 70)

1. Choroidal detachment.
2. Sturge weber syndrome.
3. Ocular manifestation of connective tissue disorders.
4. Enophthalmos.
5. Orbital cellulitis.
6. Branch retinal vein occlusion.
7. Necrotizing scleritis.
8. Pigmentary glaucoma.
9. Internuclear ophthalmoplegia.
10. Differential diagnosis of watering in new born.

[LN 217]

OCTOBER 2018

Sub. Code: 2223

M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY

Q.P. Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the etiopathogenesis, clinical features and investigations of Myasthenia Gravis.
2. How will you manage a case of five year old boy with esotropia?

II. Write notes on:

(10 x 7 = 70)

1. Aberrant Regeneration of cranial nerves.
2. Optic Neuritis.
3. Gonioscopy.
4. Masquerade syndrome.
5. Foster – Kennedy Syndrome.
6. Pathological myopia.
7. Unilateral proptosis.
8. Pseudo papillitis.
9. Intra Vitreal therapy.
10. Blow out fractures.

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P. Code: 222223

Time: Three Hours

Maximum: 100 Marks

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

1. Discuss in detail the etiopathogenesis, classification and clinical features of Optic atrophy. How will you manage a case of Optic Nerve injury?
2. Discuss in detail the etiopathogenesis, clinical features and Management of a case of Unilateral proptosis.

II. Write notes on: **(10 x 7 = 70)**

1. Duane's retraction syndrome.
2. Botulinum Toxin.
3. Multiple sclerosis.
4. Angle recession glaucoma.
5. Ectopia lentis.
6. Possner Scholtsmann syndrome.
7. Differential diagnosis of a Limbal-Nodule.
8. Ocular prosthesis.
9. Chalcosis.
10. Entropion.

[LP 217]

OCTOBER 2019

Sub. Code: 2223

M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY

Q.P. Code: 222223

Time: Three Hours

Maximum: 100 Marks

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

1. Anatomy of optic chiasma. Discuss in detail chiasmal lesions.
2. Discuss in detail Thyroid ophthalmopathy.

II. Write notes on: **(10 x 7 = 70)**

1. Axen-feld Reiger syndrome.
2. Fuchs heterochromic uveitis.
3. Duane's retraction syndrome.
4. Wernicke's hemianopic pupil.
5. Double elevator palsy.
6. Cavernous sinus thrombosis.
7. Tractional Retinal detachment.
8. Cicatricial entropion.
9. Alkali burns.
10. Aponeurotic ptosis.

[LQ 217]

AUGUST 2020
(MAY 2020 SESSION)

Sub. Code: 2223

M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY

Q.P. Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Etiology, clinical features, differential diagnosis and management of anterior ischaemic optic neuropathy
2. Etiology, clinical features, complications and management of posterior scleritis

II. Write notes on:

(10 x 7 = 70)

1. Principles of corneal tear repair
2. Acquired maculopathies
3. Interstitial keratitis
4. Accommodation convergence / accommodation ratio
5. Magnetic resonance imaging in ocular disorders
6. Orbital cellulitis
7. Non - penetrating glaucoma surgeries
8. Congenital anomalies of uveal tract
9. White dot syndrome
10. Principles of strabismus surgery

[LS 217]

NOVEMBER 2020
(OCTOBER 2020 SESSION)

Sub. Code: 2223

M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY

Q.P. Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Etiology ,clinical features,differential diagnosis and management of oculomotor nerve palsy.
2. Describe normal and abnormal flora and discuss its clinical significance.

II. Write notes on:

(10 x 7 = 70)

1. Surgical correction of ectropion
2. Macular dystrophies
3. Motor evaluation of motor strabismus
4. Management of keratomalacia
5. Pre perimetric glaucoma
6. Ocular ischemic syndrome
7. Photo dynamic therapy
8. Bilateral panuveitis
9. Anophthalmic socket
10. Corneal graft rejection

[MS 0721]

JULY 2021
(MAY 2021 SESSION)

Sub. Code: 2223

M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY

Q.P. Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the causes, stages and management of papilledema.
2. Discuss the examination, classification and management of ptosis.

II. Write notes on:

(10 x 7 = 70)

1. Myasthenia gravis.
2. Inter Nuclear Ophthalmoplegia (INO).
3. Blow out fracture.
4. Microtropia.
5. Hess charting.
6. Ocular surface squamous neoplasia.
7. Carotid Cavernous Fistula (CCF).
8. Masquerade syndrome.
9. Irido Corneal Endothelial (ICE) syndrome .
10. Essential blepharospasm.

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

[MD 1121]

**NOVEMBER 2021
(OCTOBER 2021 SESSION)**

Sub. Code: 2223

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P. Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the aetiopathogenesis, clinical features and management of Optic Neuritis.
2. Discuss the various types and management of Ectropion.

II. Write notes on:

(10 x 7 = 70)

1. Migraine.
2. Tolosa Hunt Syndrome.
3. Sympathetic Ophthalmitis.
4. Brown's Syndrome.
5. Prism Bar Test.
6. Chemical Injury.
7. Siderosis.
8. Toxoplasma Retinitis.
9. Steroid Induced Glaucoma.
10. Facial Hemi Spasm.

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

[MS 0522]

MAY 2022

Sub. Code: 2223

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P. Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Visual Pathway, Discuss with suitable diagrams about field defects caused by lesions along the pathway.
2. Chronic Dacryo Cystitis, Discuss briefly about Etiology, Pathogenesis, Management of Congenital Dacryo Cystitis.

II. Write notes on:

(10 x 7 = 70)

1. Inter nuclear Ophthalmoplegia.
2. Congenital Esotropia.
3. Accommodative squint.
4. Cavernous sinus Thrombosis.
5. Sjogren's Syndrome.
6. Eale's Disease.
7. Neovascular Glaucoma.
8. Vernal Keratoconjunctivitis.
9. Bell's Phenomenon.
10. Horner's Syndrome.

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

[MS 1022]

OCTOBER 2022

Sub. Code: 2223

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P. Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Optic Atrophy – Causes, Classification, Clinical features and Management.
2. Anatomy of upper eyelid. Etiology, Classifications and Management of ptosis.

II. Write notes on:

(10 x 7 = 70)

1. Bitemporal Hemianopia.
2. Duane's Syndrome.
3. Orbital apex Syndrome.
4. Bell's palsy.
5. Wilson's disease.
6. BSV.
7. Post Uveitic Glaucoma.
8. Scleritis.
9. CMV Retinitis.
10. Anisocoria.

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

[MS 0723]

JULY 2023

Sub. Code: 2223

(MAY 2023 EXAM SESSION)

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P. Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Micro anatomy and blood supply of Optic Chaisma, discuss clinical features, field defect and management of Pituitary Adenoma.
2. Etiopathogenesis, clinical features, investigations and management of Unilateral Proptosis.

II. Write notes on:

(10 x 7 = 70)

1. Bilateral panuveitis.
2. Pre perimetric glaucoma.
3. Non - penetrating glaucoma surgeries.
4. Indications and uses of keratoprosthesis.
5. Orthoptic Exercises.
6. Tractional Retinal detachment.
7. Types of age related macular degeneration, clinical features and management.
8. Pathogenesis of papilledema.
9. Types of Ectropion and management.
10. White dot syndrome.

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

[MS 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 2223

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER III – OPHTHALMOLOGY INCLUDING NEURO
OPHTHALMOLOGY**

Q.P. Code: 222223

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail about AION and its causes, classification, clinical features and management.
2. Thyroid Eye Disease – discuss in detail about its pathogenesis, classification, investigation and management.

II. Write notes on:

(10 x 7 = 70)

1. Junctional scotoma.
2. Vitreous substitutes.
3. Neuroparalytic keratitis.
4. Fuchs' heterochromic iridocyclitis.
5. Posner Schlossman Syndrome.
6. Carotico-cavernous fistula.
7. CME.
8. Herpes Zoster ophthalmicus.
9. Adies Tonic pupil.
10. Forced Duction Test.
