

[KD 212] **APRIL 2001**

Sub. Code : 2223

M.S. DEGREE EXAMINATION

(Revised Regulations)

Branch III — Ophthalmology

Part II

**Paper I — OPHTHALMOLOGY INCLUDING
COMMUNITY OPHTHALMOLOGY AND
REFRACTION**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss and outline major programme and proposal and objective of national programme for control of blindness in Tamil Nadu. (25)
2. Discuss the eye complications in head-injuries and the role of the ophthalmologist. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Optics of low vision aids
 - (b) Toxic amblyopia
 - (c) Short term preservation of donor cornea
 - (d) Corneal stromal dystrophies
 - (e) Computerized perimetry.

NOVEMBER 2001

[KE 212]

Sub. Code : 2224

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

**Paper I — OPHTHALMOLOGY INCLUDING
COMMUNITY OPHTHALMOLOGY AND
REFRACTION**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. How do you plan a school survey? And what is the importance of such survey? Give a scheme to your STATE. (25)
 2. Describe with the help of a diagram the theory, principles of retinoscopy and describe how the glasses are prescribed after the test? (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Rosacea keratitis.
 - (b) Ectopia lentis.
 - (c) Low tension glaucoma.
 - (d) Ophthalmic ethics.
 - (e) Pars Planitis.
-

[KG 212] MARCH 2002 Sub. Code : 2223

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

**Paper I — OPHTHALMOLOGY INCLUDING
COMMUNITY OPHTHALMOLOGY AND
REFRACTION**

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the management of a case of convergent squint in a five years old child. (25)
2. Briefly mention the causes of blindness in India. Discuss how to organise an eye-camp for performing cataract surgery. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Binocular vision.
 - (b) Optokinetic nystagmus.
 - (c) Subluxated lens.
 - (d) Age related macular degeneration.
 - (e) Industrial blindness.

SEPTEMBER 2002

[KH 212]

Sub. Code : 2223

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

Paper I — OPHTHALMOLOGY INCLUDING
COMMUNITY OPHTHALMOLOGY AND
REFRACTION

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. What is vision 2020 and right to sight? Discuss the action plan in India to control blindness. (25)
 2. Describe the ocular manifestation and management of Leprosy. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Jackson's cross cylinder
 - (b) Diagnosis of dry eye
 - (c) Normal tension glaucoma
 - (d) Sympathetic ophthalmitis
 - (e) Amblyopia.
-

[KI 212]

APRIL 2003

Sub. Code : 2223

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

Paper I — OPHTHALMOLOGY INCLUDING
COMMUNITY OPHTHALMOLOGY AND
REFRACTION

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. How do you organise an eye camp in the rural areas? (25)
 2. Discuss the ocular manifestations of Acquired Immune Deficiency Syndrome. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Toxoplasma Retinitis
 - (b) Viscoelastics in ophthalmology
 - (c) Corneal graft failure and graft rejection
 - (d) Legal blindness
 - (e) Cross cylinder.
-

OCTOBER 2003

[KJ 212]

Sub. Code : 2223

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

**Paper I — OPHTHALMOLOGY INCLUDING
COMMUNITY OPHTHALMOLOGY AND
REFRACTION**

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

**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. Discuss the ocular manifestations of AIDS and its management. (15)**
- 2. Describe the development and anatomy of the angle of anterior chamber. (15)**

3. Short notes :

(10 × 5 = 50)

- 1. Contact lens.**
 - 2. Cross cylinder.**
 - 3. Tests for malingering.**
 - 4. Vision 2020.**
 - 5. Ectopia Lentis.**
 - 6. Natamycin.**
 - 7. WHO classification of blindness.**
 - 8. Exposure keratopathy.**
 - 9. Low vision aids.**
 - 10. Surgical correction of presbyopia.**
-

[KL 212] AUGUST 2004 Sub. Code : 2223

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

**Paper I — OPHTHALMOLOGY INCLUDING
COMMUNITY OPHTHALMOLOGY AND
REFRACTION**

Time : Three hours Maximum : 100 marks

**Theory : Two hours and Theory : 80 marks
forty minutes**

MCQ : Twenty minutes MCQ : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essays : (2 × 15 = 30)

**(1) Describe the classification, Diagnosis and
Management of uveitis.**

**(2) Discuss in detail how will you organise a eye
camp in the rural areas of Tamil Nadu.**

II. Short notes :

(10 × 5 = 50)

- (a) Schematic eye.**
- (b) Adeno virus.**
- (c) Atheromatous ulcer.**
- (d) Foster Kennedy Syndrome.**
- (e) Ophthalmic ethics.**
- (f) Berlins oedema**
- (g) Exudative Retinal Detachment.**
- (h) Vitreous Replacement substances.**
- (i) Glaucoma screening.**
- (j) Corneal Vascularisation.**

FEBRUARY 2005

[KM 212]

Sub. Code : 2223

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

**Paper I — OPHTHALMOLOGY INCLUDING
COMMUNITY OPHTHALMOLOGY AND
REFRACTION**

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 questions :

(2 × 15 = 30)

(1) Describe the pupillary pathway, reflexes and abnormal pupillary reactions.

(2) Discuss in detail how will you organise a eye camp and in particular prevention and management of post operative endophthalmitis.

II. Short notes :

(10 × 5 = 50)

(a) Discuss factors involved in development of Presbyopia.

(b) Amblyopia and its management.

(c) Discuss about prevention of corneal blindness.

(d) Low vision aids.

(e) Masquerade syndrome.

(f) Management of viral keratitis.

(g) Donders schematic eye.

(h) Laser Trabeculoplasty.

(i) Use of prisms in ophthalmology.

(j) Aetiology and management of congenital Dacryocystitis.

[KO 212] MARCH 2006 Sub. Code : 2223

M.S. DEGREE EXAMINATION.

Branch III — Ophthalmology

OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION

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 : (2 × 15 = 30)

(1) Describe the optical principles of Indirect ophthalmoscopy and its advantages over direct ophthalmoscopy.

(2) Discuss the organization of an eye bank and its role in management of corneal blindness.

II. Short notes : (10 × 5 = 50)

- (a) Extended wear contact lenses
 - (b) Accommodative Esotropia
 - (c) Trachoma control programme
 - (d) Vitamin A deficiency
 - (e) LASIK
 - (f) Vision 2020
 - (g) Management of Amblyopia
 - (h) Types of Astigmatism and their correction
 - (i) Jackson's cross cylinder
 - (j) Cover test.
-

SEPTEMBER 2006

[KP 212]

Sub. Code : 2223

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch III — Ophthalmology

Part II

Paper I — OPHTHALMOLOGY INCLUDING
COMMUNITY OPHTHALMOLOGY AND
REFRACTION

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 in detail how you will organise eye screening camp for school children in rural areas of Tamil Nadu. (20)

(2) Refraction through prisms. Uses of prisms in ophthalmology. (15)

(3) What is the goal of NPCB? What are its strategies? (15)

II. Short notes :

(6 × 5 = 30)

(a) District blindness control society.

(b) Aniseikonia

(c) Reduced eye

(d) Epikeratophakia

(e) Lensometer

(f) Red filter occlusion therapy in squint.

[KQ 211] MARCH 2007 Sub. Code : 2223

M.S. DEGREE EXAMINATION.

Branch III — Ophthalmology

OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION

Common to

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

(Candidates admitted from 1988-89 onwards)

and

Paper II – (For candidates admitted from 2004-2005
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 screening programme and
management of glaucoma in rural community. (20)

(2) What are the causes for non healing of the
corneal ulcer. Describe the management of non healing
corneal ulcer. (15)

(3) What are the causes for astigmatism after
Intra Ocular Lens (IOL) surgery? How to prevent or
reduce astigmatism in IOL surgery? How do you
manage astigmatism after IOL surgery? (15)

II. Write short notes : (6 × 5 = 30)

(a) Neovascular glaucoma.

(b) Optics of prisms and their uses in
ophthalmology.

(c) Dacryocoele.

(d) Rhabdomyosarcoma of extra ocular muscle.

(e) Amblyopia.

(f) Cyclosporin.

SEPTEMBER 2007

[KR 216]

Sub. Code : 2222

M.S. DEGREE EXAMINATION.

Branch III — Ophthalmology

OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION

Common to

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

(Candidates admitted upto 2003-04)

and

Paper II — (For candidates admitted from 2004-2005
onwards)

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 the post operative complications of
cataract surgery and their management. (20)

(2) Describe the aetiology and management of
Dry Eye. (15)

(3) Enlist the refractive corneal surgeries
currently in practice. Describe advantages and
disadvantages of each method. (15)

II. Write short notes : (6 × 5 = 30)

- (a) Ectopia Lentis.
 - (b) Interstitial Keratitis.
 - (c) District blindness control society.
 - (d) Vitamin A Prophylaxis.
 - (e) Principles of Autorefractometers.
 - (f) Tests for colour vision.
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[KS 216]

Sub. Code : 2222

M.S. DEGREE EXAMINATION.

Branch III — Ophthalmology

**OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Common to

**Part II — Paper I — (Old/New/Revised Regulations)
(Candidates admitted upto 2003–04)
and**

**Paper II — (For candidates admitted from 2004–2005
onwards)**

Q. P. Code : 222222

Time : Three hours Maximum : 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions : (2 × 20 = 40)

**(1) Describe the aetiology, investigations and
management of EPIPHORA. (20)**

**(2) Describe the aetiology, types, investigations
and management of age related macular degeneration. (20)**

II. Write short notes :

(10 × 6 = 60)

- (1) Syphilitic interstitial keratitis.**
- (2) Graft rejection.**
- (3) Amblyopia.**
- (4) Central serous retinopathy.**
- (5) Management of endophthalmitis.**
- (6) Buphthalmos.**
- (7) National programme for control of blindness.**
- (8) Low vision aids.**
- (9) Astigmatism.**
- (10) Duane's syndrome.**

September 2008

[KT 216]

Sub. Code: 2222

M.S. DEGREE EXAMINATION

Branch III – Ophthalmology

**OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Common to

**Part II – Paper I – (Old/New/Revised Regulations)
(candidates admitted upto 2003-2004) and
Paper II - (For candidates admitted from 2004-2005 onwards)**

Q.P. Code : 222222

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : (2 X 20 = 40)

1. Define myopia, Describe types of myopia and discuss various modalities of corrections of the refractive errors.
2. Mention various causes for night blindness. aetiology, classification, prevention and management of vitamin A deficiency.

II. Write short notes on : (10 X 6 = 60)

1. Reduced eye.
 2. Uses of prisms in ophthalmology.
 3. Convergence Insufficiency.
 4. Applanation Tonometry.
 5. Malignant glaucoma.
 6. Vitreous substitutes.
 7. Microtropia.
 8. Management of vernal conjunctivitis.
 9. Organization of eye Banks.
 10. Cystoid macular oedema.
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March 2009

[KU 216]

Sub. Code: 2222

M.S. DEGREE EXAMINATION

Branch III – OPHTHALMOLOGY

Common to

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

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

OPHTHALMOLOGY INCLUDING COMMUNITY

OPHTHALMOLOGY AND REFRACTION

Q.P. Code : 222222

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Discuss etiology and management of dry eye.
2. Discuss retinopathy of prematurity.

II. Write short notes on :

(10 x 6 = 60)

1. Duochrome test.
2. Jackson's cross cylinder.
3. Preservation of donor cornea.
4. Vision 2020.
5. Optics of contact lens.
6. Cystoid macular edema.
7. IOL power calculation.
8. Organization of eye camps.
9. Presbyopia.
10. Maddox rod test.

September 2009

[KV 216]

Sub. Code: 2222

M.S. DEGREE EXAMINATION

Branch III – OPHTHALMOLOGY

Common to

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

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

OPHTHALMOLOGY INCLUDING COMMUNITY

OPHTHALMOLOGY AND REFRACTION

Q.P. Code : 222222

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Binocular vision. Factors responsible for development, tests and management of defective BSV.
2. Trabeculectomy – Types, Indications, Complications and Management.

II. Write short notes on :

(10 x 6 = 60)

1. Entropion.
2. NPCB.
3. Spring catarrh.
4. Acanthamoeba keratitis.
5. Maddox rod and wing.
6. Chemical injuries.
7. Ophthalmia neonatorum.
8. Low vision aids.
9. Manifestations of collagen vascular disorders.
10. Management of anisometropic hypermetropia in a 5 yrs old presenting for first time.

March 2010

[KW 216]

Sub. Code: 2222

M.S. DEGREE EXAMINATION

Branch III – OPHTHALMOLOGY

Common to

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

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

OPHTHALMOLOGY INCLUDING COMMUNITY

OPHTHALMOLOGY AND REFRACTION

Q.P. Code : 222222

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Draw suitable diagram wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Describe the anatomy of the orbit with a neat diagram.
Describe the aetiology of unilateral proptosis.
Add a note on Tolosa-Hunt-syndrome.
2. Describe the pathogenesis of rhegmatogenous retinal detachment,
differential diagnosis of retinal detachment and surgery of
rhegmatogenous retinal detachment.

II. Write short notes on :

(10 x 6 = 60)

1. Corneal ectasias.
2. Contact lenses.
3. Retinopathy of prematurity.
4. Degenerative myopia.
5. Golden har syndrome.
6. Nystagmus.
7. Vision 2020.
8. Childhood blindness.
9. Pseudo exfoliation.
10. Cystoid macular oedema.

September 2010

[KX 216]

Sub. Code: 2222

M.S. DEGREE EXAMINATION

**Branch III – Ophthalmology
OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

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

Q.P. Code : 222222

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Describe the etiology, clinical features and management of Neovascular Glaucoma.
2. Enlist the refractive corneal surgeries / procedures. Describe in detail any one of them. Describe the advantages, complications and limitations of the method.

II. Write short notes on :

(10 X 6 = 60)

1. Pathological myopia.
2. Therapeutic contact lenses.
3. District blindness control society.
4. Classification of Xerophthalmia.
5. Metabolic cataract.
6. Multifocal IOLs'.
7. Spring Catarrh.
8. Ophthalmia neonatorum.
9. Scleromalacia perforans.
10. Rehabilitation of blind.

May 2011

[KY 216]

Sub. Code: 2222

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code : 222222

**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. Define Amblyopia. Discuss in detail the management of Amblyopia. | 11 | 35 | 15 |
| 2. Describe the Aetiology, classification, clinical features, investigations and management of age related macular degeneration. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Vision 2020. | 4 | 10 | 7 |
| 2. Management of Post operative endophthalmitis. | 4 | 10 | 7 |
| 3. Vitamin A deficiency. | 4 | 10 | 7 |
| 4. Graft rejection. | 4 | 10 | 7 |
| 5. Soft contact lens. | 4 | 10 | 7 |
| 6. School health screening camp. | 4 | 10 | 7 |
| 7. Indirect ophthalmoscopy. | 4 | 10 | 7 |
| 8. Complicated cataract. | 4 | 10 | 7 |
| 9. Pigmentary glaucoma. | 4 | 10 | 7 |
| 10. Herpes zoster ophthalmicus. | 4 | 10 | 7 |

October 2011

[KZ 216]

Sub. Code: 2222

M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION

Q.P. Code : 222222

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 about myopia including fundus changes and various modalities of correction.	11	35	15
2. What is the goal of NPCB? Discuss about its strategies (National programme for control of blindness).	11	35	15

II. Write notes on :

1. Eye Bank.	4	10	7
2. Low vision Aids.	4	10	7
3. Duochrome test.	4	10	7
4. Uses of prism in ophthalmology.	4	10	7
5. Management of vernal conjunctivitis.	4	10	7
6. Tests for colour vision.	4	10	7
7. Indirect ophthalmoscopy.	4	10	7
8. Retinitis pigmentosa with a note on recent advances in management.	4	10	7
9. Malignant glaucoma .	4	10	7
10. Sympathetic ophthalmia.	4	10	7

April 2012

[LA 216]

Sub. Code: 2222

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code : 222222

**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 causes of Blindness and Rehabilitation of Blind.	16	35	15
2. Discuss the differential diagnosis of sudden loss of vision and management of Central Retinal artery occlusion.	16	35	15

II. Write notes on :

1. Discuss the Indications and uses of Therapeutic Contact lens.	4	10	7
2. Explain the principle and clinical utility of Auto refractometer.	4	10	7
3. Causes, clinical features and management of interstitial keratitis.	4	10	7
4. Importance of Diabetic Retinopathy Screening in Rural Area.	4	10	7
5. Sequelae of chronic iridocyclitis and management options in different stages.	4	10	7
6. Clinical features and management of Possner schlossman's syndrome.	4	10	7
7. Importance of School survey in prevention of childhood blindness.	4	10	7
8. Tests for Malingering and its importance.	4	10	7
9. Discuss the classification of anomalies of accommodation and How will you manage Presbyopia?	4	10	7
10. Contrast Sensitivity –Tests and its importance.	4	10	7

[LB 216]

OCTOBER 2012

Sub. Code: 2222

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

OPHTHALMOLOGY INCLUDING COMMUNITY

OPHTHALMOLOGY AND REFRACTION

Q.P. Code : 222222

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. Shadow test (Skiascopy)	16	35	15
2. Corneal Ulcer, Complications and management	16	35	15

II. Write notes on:

1. Duochrome Test and its applications	4	10	7
2. Subjective Verification of Lenses.	4	10	7
3. Orthoscopic Lenses and their uses	4	10	7
4. HyperMetropia and its correction	4	10	7
5. Vision 2020 and its salient features	4	10	7
6. Ophthalmia Neonatorum - etiology and management	4	10	7
7. NPCB	4	10	7
8. Best Form Lenses and its uses	4	10	7
9. Pterygium – types and management	4	10	7
10. Multifocal IOLs and their applications	4	10	7

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code : 222222

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the aetiology, clinical features, complications and management of dry eye.
2. Discuss the aetiology, classification, clinical features, and differential diagnosis of retinal detachment. Describe the management of rhegmatogenous retinal detachment.

II. Write notes on:

(10 x 7 = 70)

1. Vision 2020
2. Amblyopia and its management
3. Low vision aids
4. Preservation of donor cornea
5. Childhood blindness
6. Bullous keratopathy
7. Ocular myiasis
8. Duochrome test
9. Tests for colour vision
10. Organization of eye camps

M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION

Q.P. Code : 222222

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. What is Vision 2020 and right to sight? Discuss the action plan in India to control blindness.
2. Discuss the investigation and management of convergent squint in a 5 year old child.

II. Write notes on:

(10 x 7 = 70)

1. How will you organize school health screening camp.
2. Aetiology – Clinical features and management of ophthalmia Neonatorum.
3. Various methods of rehabilitation of blind.
4. Stages and management of retinopathy of pre-maturity.
5. Types of contact lens – Indication and uses.
6. Indication and uses of Duochrome test.
7. Indication and uses of Maddox Rod test.
8. Uses of prisms in Ophthalmology.
9. Aetiology, Clinical features and management of cystoid macular oedema.
10. Preservation of donor cornea.

(LE 216)

APRIL 2014

Sub. Code:2222

**M.S. DEGREE EXAMINATION
BRANCH III - OPHTHALMOLOGY
OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P.Code: 222222

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss about Peripheral ulcerative Keratitis and its Clinical features and management.
2. Discuss about Melanoma of Choroid. Pathology, Investigations and principles of treatment.

II. Write notes on:

(10X7=70)

1. Contact lens materials.
2. Mitomycin in eye.
3. Rubeosis iridis.
4. Age related Macular degeneration.
5. Binocular single vision.
6. Convergence insufficiency.
7. Causes of isolated 4th Nerve palsy.
8. Examination of a case of Ptosis.
9. Stargadts dystrophy.
10. School screening Programme.

(LF 216)

OCTOBER 2014

Sub. Code:2222

M.S. DEGREE EXAMINATION

BRANCH III - OPHTHALMOLOGY

**PAPER II - OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P.Code: 222222

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe etiology, clinical features, investigations, complications and management of intermediate uveitis.
2. Causes and prevalence of corneal blindness in India. What are the pre requisites for arranging eye bank?

II. Write notes on:

(10 x 7 = 70)

1. Anomalous retinal correspondence.
2. IOL power calculation after keratorefractive surgery.
3. NPCB – objectives and functions.
4. Prophylactic laser treatment in myopia.
5. Glaucoma screening at primary eye care level.
6. Parinaud oculoglandular syndrome.
7. Management of post op astigmatism following cataract surgeries.
8. Pathogenesis and treatment of blepharitis.
9. Anomalies of accommodation.
10. Toxic maculopathies.

[LG 216]

APRIL 2015

Sub. Code: 2222

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code : 222222

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

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

1. Classification, clinical features and management of melanotic lesions of conjunctiva.
2. Organising, screening and follow up of ailments in an eye camp.

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

1. Tests for retinal correspondence.
2. Angle recession glaucoma.
3. Retinal breaks.
4. Gonioscopy.
5. Donor cornea.
6. Sturms conoid.
7. Anomalies of accommodation.
8. Steven Johnson's syndrome.
9. Eye prosthetics.
10. Acute retinal necrosis.

[LH 216]

OCTOBER 2015

Sub. Code: 2222

**M.S. DEGREE EXAMINATION
BRANCH III – OPHTHALMOLOGY
PAPER II – OPHTHALMOLOGY INCLUDING
COMMUNITY OPHTHALMOLOGY AND REFRACTION**

Q.P. Code : 222222

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail how an eye camp is organized and in particular the prevention and management of post operative endophthalmitis.
2. Discuss in detail causes, clinical manifestations and management of astigmatism.

II. Write notes on:

(10 x 7 = 70)

1. Corneal graft failure and graft rejection.
2. Legal blindness.
3. Low visual aids.
4. Tests for malingering.
5. AIDS in ophthalmology.
6. Normotensive glaucoma.
7. Ocular features of leprosy.
8. Toxic amblyopia.
9. Retinoscopy.
10. Worth four DOT test.

(LI 216)

APRIL 2016

Sub. Code:2222

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P.Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Classify uveitis, clinical features, investigation and management of chemical injuries.
2. What is NPCB (National Programme for control of Blindness)? Discuss its goals and strategies.

II. Write notes on:

(10 x 7 = 70)

1. Neovascular glaucoma.
2. Graft rejection.
3. Jackson cross cyclinder.
4. Surgical management of presbyopia.
5. Duochrome test.
6. Vision 2020.
7. Pseudo exfoliative glaucoma.
8. Scleromalacia perforans.
9. Screening of diabetic retinopathy in public.
10. Grading of donor cornea.

(LJ 216)

OCTOBER 2016

Sub. Code:2222

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION

Q.P.Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss retinopathy of prematurity and its management.
2. Discuss etiology, classification, clinical features, Investigation and management of Hypermetropia.

II. Write notes on:

(10 x 7 = 70)

1. RIGID contact lens.
2. Role of prisms in ophthalmology.
3. Organization of eyebanks.
4. Media used for donor eyes.
5. Management of Ophthalmia neonatorum.
6. Macular hole.
7. Buphthalmos.
8. Retinoscopy.
9. Irregular astigmatism.
10. Evaluation of a case of ptosis.

(LK 216)

MAY 2017

Sub. Code:2222

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P.Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Classification, pathogenesis, ocular manifestations, diagnosis and treatment of amblyopia.
2. Causes and management of sudden loss of vision.

II. Write notes on:

(10 x 7 = 70)

1. Aniridia.
2. Ocular manifestations of leptospirosis.
3. Optics of eye – Add a note on uses of Prisms in Ophthalmology.
4. Preventable blindness- causes and incidence.
5. Principles of retinoscopy.
6. Kerato prosthesis.
7. Inflammatory glaucoma.
8. Therapeutic contact lenses.
9. Eye bank legislation.
10. Vision recording in infants and children.

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P.Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the mechanism of Accommodation. What are the anomalies of Accommodation and discuss the various methods of its assessment?
2. Discuss the concepts of EYE BANKING and various strategies to improve eye donations. Give your comments on the current status of eye banking in India.

II. Write notes on:

(10 x 7 = 70)

1. Amblyopia.
2. Corneal topography.
3. AC/A ratio.
4. Von Reclinghausann's disease.
5. Genetics in Retinoblastoma.
6. Enophthalmos.
7. Anti – VEGF s in ophthalmology.
8. Hypervitaminosis-A.
9. Latent hypermetropia.
10. Corneal Ectasia.

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P.Code: 222222

Time: Three Hours

Maximum: 100 Marks

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

1. Discuss the aetiology, investigation and management of epiphora.
2. Nystagmus – various aetiology, types clinical characteristics and management in detail.

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

1. Microtropia.
2. School survey in prevention of child hood blindness.
3. Extended wear contact lens.
4. Keratoconus.
5. Accommodative IOL.
6. Measurement of visual acuity in infants.
7. Anterior blepharitis.
8. District blindness control society.
9. Convergence insufficiency.
10. Contrast sensitivity.

(LN 216)

OCTOBER 2018

Sub. Code: 2222

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Role of National Programme for Control of Blindness (NPCB).
Discuss in details about School Eye Health Programme.
2. Describe in detail about optics of Ophthalmoscopes.

II. Write notes on:

(10 x 7 = 70)

1. Compound Astigmatism.
2. Vernal Kerato Conjunctivitis (VKC).
3. Pharmacological Agents used in cataract treatment.
4. Pseudo exfoliation.
5. Bandage contact lens.
6. Back vertex Distance.
7. Jackson cross cylinder.
8. Recurrent pterygium.
9. Recurrent Herpes simplex virus infection.
10. Role of genetics in Retinitis Pigmentosa.

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the optics of slit-lamp. Discuss in detail the various types of illuminations in slit-lamp and mention the various uses of slit-lamp.
2. Discuss in detail the etiopathogenesis, clinical features and management of Neovascular glaucoma.

II. Write notes on:

(10 x 7 = 70)

1. Giant papillary conjunctivitis.
2. Management of paediatric Aphakia.
3. Superior orbital fissure syndrome.
4. Prisms in ophthalmology.
5. Visual field defects in pituitary lesions.
6. Vitreous substitutes.
7. Eye screening in School children.
8. Cover tests for strabismus.
9. Current concepts in intra ocular lenses.
10. Postoperative astigmatism.

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Mention the causes of childhood blindness, discuss the classification, prevention and management of VITAMIN A deficiency.
2. Causes for non – healing corneal ulcer and discuss the management of non healing ulcer in detail.

II. Write notes on:

(10 x 7 = 70)

1. Malingering.
2. Zonular cataract.
3. Screening of glaucoma in eye camp.
4. Therapeutic contact lens.
5. Vernal kerato conjunctivitis.
6. Bifocals.
7. Infantile esotropia.
8. Primary graft failure.
9. Anisometropia.
10. Strum's conoid.

[LQ 216]

**AUGUST 2020
(MAY 2020 SESSION)**

Sub. Code: 2222

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail global blindness and role of national programme of control of blindness.
2. Discuss the various intraocular lens power calculations , its merits and demerits.

II. Write notes on:

(10 x 7 = 70)

1. Abnormal retinal correspondence
2. Nutritional factors causing ocular morbidity
3. Phakic Iols
4. Assessment of contrast sensitivity
5. Cortical blindness
6. Floppy iris syndrome
7. Properties of laser used in ophthalmology
8. Storage of donor cornea
9. Membranous conjunctivitis
10. Management of recurrent anterior uveitis

[LS 216]

**NOVEMBER 2020
(OCTOBER 2020 SESSION)
M.S. DEGREE EXAMINATION**

Sub. Code: 2222

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail Tele ophthalmology, its uses, merits and demerits in community eye care.
2. Definition, optics, methods and stages of retinoscopy.

II. Write notes on:

(10 x 7 = 70)

1. Visual rehabilitation of blind
2. Genetics of glaucoma
3. Role of district program manager
4. Management of nystagmus
5. Confocal laser microscopy
6. Low visual aids for distant vision
7. Difference between hydrophilic and hydrophobic intra ocular lenses
8. Non contact tonometers
9. Phacodynamics
10. Presenile cataract

[MS 0721]

JULY 2021

Sub. Code: 2222

**(MAY 2021 SESSION)
M.S. DEGREE EXAMINATION**

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the etiology, investigations and management of a case of epiphora.
2. Define amblyopia. Discuss in detail it's management.

II. Write notes on:

(10 x 7 = 70)

1. District Blindness Control Society (DBCS).
2. Jackson's cross cylinder.
3. Viral infections of the eye.
4. Management of postoperative endophthalmitis.
5. Multifocal IOLs.
6. Orbital floor fracture.
7. Worth four dot test.
8. Bullous keratopathy.
9. Types of contact lenses and indications.
10. Duochrome test.

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

[MD 1121]

**NOVEMBER 2021
(OCTOBER 2021 SESSION)**

Sub. Code: 2222

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe with the help of a diagram the principles of Retinoscopy. Discuss glass prescription.
2. What are the goals of NPCB? Discuss its strategies.

II. Write notes on:

(10 x 7 = 70)

1. Vision 2020.
2. Preservation of donor cornea.
3. Accommodative esotropia.
4. Postoperative astigmatism following cataract surgery.
5. Orbital implants.
6. Low vision aids.
7. Acquired ptosis- Causes and management.
8. Pathological myopia.
9. Ectopia Lentis.
10. Laser trabeculoplasty.

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

[MS 0522]

MAY 2022

Sub. Code: 2222

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Nystagmus -Etiology,Types Investigation and Management.
2. Ocular Morbidity in School going Children.

II. Write notes on:

(10 x 7 = 70)

1. Optical Keratoplasty.
2. Onchocerciasis.
3. Toxoplasmosis.
4. Ocular Manifestations of Blood disorders.
5. Low Vision Aids.
6. Phakic IOL.
7. Prisms role in Ophthalmology.
8. Chloroquine Maculopathy.
9. Interstitial Keratitis.
- 10.Ligneous Conjunctivitis.

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

[MS 1022]

OCTOBER 2022

Sub. Code: 2222

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Enumerate the Causes of Preventable Blindness and discuss briefly about the National Programme for Control of Blindness.
2. Define Hypermetropia. Etiology, Classification, Types, Clinical features and Management of Hypermetropia.

II. Write notes on:

(10 x 7 = 70)

1. Corneal Blindness.
2. Eye Bank.
3. Keratoprosthesis.
4. Goniotomy.
5. Immediate Post operative complications of cataract surgery.
6. Lagophthalmos
7. Organising Eye Camp.
8. Strum's Conoid.
9. Pseudophakic Glaucoma.
10. Titmus Fly test.

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

[MS 0723]

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

Sub. Code: 2222

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Astigmatism – discuss the types, signs and symptoms, investigations and management.
2. Discuss in detail about the management of Childhood Blindness.

II. Write notes on:

(10 x 7 = 70)

1. DALK.
2. Ophthalmia Nodosa.
3. TORCH infections.
4. Ocular manifestations of Haemorrhagic fevers.
5. Maddox Rod.
6. Trifocal IOL.
7. Avoidable blindness.
8. Drug induced Optic neuritis.
9. Eales' disease.
10. Amblyopia management.

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

[MS 1223]

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

Sub. Code: 2222

M.S. DEGREE EXAMINATION

BRANCH III – OPHTHALMOLOGY

**PAPER II – OPHTHALMOLOGY INCLUDING COMMUNITY
OPHTHALMOLOGY AND REFRACTION**

Q.P. Code: 222222

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the investigation and management of convergent squint in a 5 year old child.
2. Causes and prevalence of corneal blindness in India. What are the pre requisites for arranging eye bank and legislation?

II. Write notes on:

(10 x 7 = 70)

1. Cortical blindness.
2. Genetics of Retinoblastoma.
3. Role of NHM and State blindness control society in NPCB.
4. Abnormal retinal correspondence.
5. Corneal topography.
6. Anomalies of accommodation.
7. Eye prosthetics.
8. Applanation tonometers.
9. Optical Biometry.
10. Juvenile Glaucoma.
