

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

[AHS 0321]

MARCH 2021

Sub. Code: 1631

(OCTOBER 2020 EXAM SESSION)

M.OPTOM

SECOND YEAR (From 2018-2019 onwards)

PAPER I – OCULAR DISEASES AND DIAGNOSTIC - II

Q.P. Code : 281631

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. OCT with reference to the Posterior segment
2. Retinopathy of Prematurity- risk factors, features, classification, management.

II. Write Short Notes on:

(10x6 = 60)

1. Oculocutaneous albinism
2. Intermediate uveitis
3. Visual Evoked Potential
4. Vitreous haemorrhage
5. Exudative retinal detachment
6. Optic nerve disease evaluation
7. Fundus Fluorescein Angiography – Hyper and Hypo fluorescence
8. Macular hole
9. Retinal degeneration predisposing to Retinal detachment
10. Disc edema

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

[AHS 0921]

**SEPTEMBER 2021
(MAY 2021 EXAM SESSION)**

Sub. Code: 1631

**M.OPTOM
SECOND YEAR (From 2018-2019 onwards)
PAPER I – OCULAR DISEASES AND DIAGNOSTIC - II
*Q.P. Code : 281631***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Posterior segment OCT.
2. Diabetic Retinopathy–classification, clinical features, investigations and management.

II. Write Short Notes on:

(10x6 = 60)

1. Evaluation of optic nerve disease.
2. Clinical features of posterior uveitis.
3. Electro oculo gram.
4. Floaters- evaluation and management.
5. Pituitary Adenoma.
6. Retinitis Pigmentosa.
7. Fundus Fluorescein Angiography- Phases.
8. Central Serous Chorio-Retinopathy.
9. Retinal drusen.
10. Posterior segment complication of cataract surgery.

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

[AHS 0122]

**JANUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 1631

**M.OPTOM
SECOND YEAR (From 2018-2019 onwards)
PAPER I – OCULAR DISEASES AND DIAGNOSTIC - II
*Q.P. Code : 281631***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Retinal Vein Occlusion.
2. Age Related Macular Degeneration.

II. Write Short Notes on:

(10x6 = 60)

1. Evaluation of optic nerve disease.
2. Anti-VEGF agents- types and indications
3. Diabetic maculopathy
4. Electroretinogram
5. Clinical features of posterior uveitis
6. Central Serous Retinopathy
7. Ultrasound B scan
8. Fundus changes in myopia
9. Posterior vitreous detachment
10. Macular function tests.

THE TAMIL NADU M.G.R. MEDICAL UNIVERSITY

[AHS 1022]

OCTOBER 2022

Sub. Code: 1631

M.OPTOM

SECOND YEAR (From 2018–2019 & 2020-2021 onwards)

PAPER I – OCULAR DISEASES AND DIAGNOSTIC - II

Q.P.Code : 281631

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Retinal Vein occlusions.
2. Retinal Detachment - Clinical features and management.

II. Write Short Notes on:

(10 x 6 = 60)

1. Diabetic maculopathy.
2. Fundus fluorescein Angiography.
3. Retrolental Fibroplasia.
4. Heredomacular degenerations.
5. Central Serous retinopathy.
6. Optical Coherence Tomography of Retina.
7. Fundus Photography.
8. Optic atrophy.
9. Pituitary adenoma.
10. Toxic Amblyopias.

THE TAMIL NADU M.G.R. MEDICAL UNIVERSITY

[AHS 0523]

MAY 2023

Sub. Code: 1631

**M.OPTOM
SECOND YEAR (From 2020–2021 onwards)
PAPER I – OCULAR DISEASES AND DIAGNOSTIC – II**

Q.P. Code: 281631

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Diabetic Retinopathy - investigations and management.
2. Age Related macular Degeneration.

II. Write Short Notes on:

(10 x 6 = 60)

1. Retinal artery occlusions.
2. Inflammations of Retina.
3. Electro oculogram.
4. Visual evoked potential.
5. Ultrasound B-Scan.
6. Retinitis Pigmentosa.
7. Optic Neuritis.
8. Amaurosis fugax.
9. Abnormal Pupillary reflexes.
10. Persistent hyperplastic primary vitreous.

THE TAMIL NADU M.G.R. MEDICAL UNIVERSITY

[AHS 1023]

OCTOBER 2023

Sub. Code: 1631

**M.OPTOM
SECOND YEAR (From 2020–2021 onwards)
PAPER I – OCULAR DISEASES AND DIAGNOSTIC – II**

Q.P. Code: 281631

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Retinal Detachment: types, causes, clinical features, investigations and management.
2. Electroretinogram (ERG): types, indications, contraindications, protocol, procedure and interpretation.

II. Write Short Notes on:

(10 x 6 = 60)

1. Hypertensive retinopathy.
2. Visually Evoked Potential.
3. Fundus Photography.
4. Retinopathy of Prematurity.
5. Posterior vitreous detachment.
6. Optical coherence tomography.
7. Stargardt's Disease.
8. Ischemic optic neuropathy.
9. Optic nerve disease evaluation.
10. Colour vision assessment.

THE TAMIL NADU M.G.R. MEDICAL UNIVERSITY

[AHS 0524]

MAY 2024

Sub. Code: 1631

M.OPTOM

SECOND YEAR (From 2020–2021 onwards)

PAPER I – OCULAR DISEASES AND DIAGNOSTIC – II

Q.P. Code: 281631

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Congenital and developmental disorders of Retina.
2. Hypertensive Retinopathy -investigations and management.

II. Write Short Notes on:

(10 x 6 = 60)

1. Retinopathy of prematurity.
2. Pattern and multifocal Electro retinogram.
3. Vitreous Substitutes.
4. Retinal detachment.
5. Fundus Changes in pathological myopia.
6. Retinoblastoma.
7. Cystoid macular edema.
8. Optical Coherence tomography of macula.
9. Optic atrophy.
10. Papilloedema.

THE TAMIL NADU M.G.R. MEDICAL UNIVERSITY

[AHS 1024]

OCTOBER 2024

Sub. Code: 1631

**M.OPTOM
SECOND YEAR (From 2020–2021 onwards)
PAPER I – OCULAR DISEASES AND DIAGNOSTIC – II**

Q.P. Code: 281631

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Retinal Artery and Vein occlusions.
2. Posterior segment imaging in Glaucoma.

II. Write Short Notes on:

(10 x 6 = 60)

1. Toxoplasmosis.
2. Ultrasound B Scan.
3. Central serous chorioretinopathy.
4. Retinitis Pigmentosa.
5. Retinoblastoma.
6. Papilledema.
7. Indocyanine Green Angiography.
8. Fundus Fluorescein Angiography – Hyper and Hypo fluorescence.
9. Amsler grid.
10. Direct Ophthalmoscopy.

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

[AHS 0525]

MAY 2025

Sub. Code: 1631

M.OPTOM

SECOND YEAR (From 2020–2021 onwards)

PAPER I – OCULAR DISEASES AND DIAGNOSTIC – II

Q.P. Code: 281631

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Electroretinogram (ERG) types, indications, contraindications, procedure, wave forms.
2. Retinopathy of Prematurity: Risk factors, features, Classification and Management.

II. Write Short Notes on:

(10 x 6 = 60)

1. Fundus changes in pathological myopia.
2. Indications for Indocyanine green angiography.
3. Visually Evoked Potential.
4. Intravitreal Anti-VEGF injection types.
5. Polypoidal Choroidal Vasculopathy.
6. Optic Disc Drusen.
7. Classification of Diabetic Retinopathy.
8. Tests for identification of Macular hole.
9. Posterior segment OCT findings in Glaucoma.
10. Traumatic Optic Neuropathy.

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

[AHS 1025]

OCTOBER 2025

Sub. Code: 1631

**M.OPTOM
SECOND YEAR (From 2020–2021 onwards)
PAPER I – OCULAR DISEASES AND DIAGNOSTIC – II**

Q.P. Code: 281631

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Age Related Macular Degeneration: Types, Evaluation and management.
2. Retinal Detachment: Clinical features, types and management.

II. Write Short Notes on:

(10 x 6 = 60)

1. Persistent Hyperplastic Primary Vitreous.
2. Electrooculogram.
3. Macular hole classification.
4. Hypertensive Retinopathy Classification.
5. Retinal Nerve Fibre Layer Evaluation in OCT.
6. Posterior Segment findings in Blunt Trauma.
7. Abnormal pupil reflexes.
8. Visual fields in glaucoma.
9. Pituitary adenoma.
10. Amaurosis fugax.
