

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

[AHS 0321]

**MARCH 2021  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 2741**

**B.OPTOM  
SECOND YEAR (Regulation 2018-2019)  
PAPER I – OCULAR DISEASES  
Q.P. Code : 802741**

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write about Pterygium.
2. Classify cataract. Write the investigations and management of senile cataract.
3. Clinical features and management of Retinitis Pigmentosa.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Write about allergic conjunctivitis.
2. Enucleation and its indications.
3. Tabulate the differences between a papilledema and papillitis
4. Clinical signs and symptoms of Acute Orbital Cellulitis.
5. Stages of Retinopathy of Prematurity
6. Definition and Management of Chalazion.
7. Notes on Iris Bombe.
8. Notes on Keratoconus.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Classify Ptosis
2. Preseptal cellulitis
3. Notes on Scotoma.
4. Notes on Mucocele.
5. Notes on Coloboma
6. Notes on Legal blindness.
7. Notes on Sjogren's syndrome
8. Mutton fat keratic precipitates.
9. Signs of Rosacea keratitis
10. Three names of abnormal pupil.

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

**[AHS 0222]**

**FEBRUARY 2022  
(AUGUST 2021 EXAM SESSION)**

**Sub. Code: 2741**

**B.OPTOM  
SECOND YEAR (Regulation 2018-2019)  
PAPER I – OCULAR DISEASES  
Q.P. Code : 802741**

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Complications of cataract surgery.
2. Ocular manifestations of Vitamin A deficiency.
3. Write about the clinical features and management of Central Retinal Vein Occlusion.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Sub conjunctival Hemorrhage
2. Cystoid Macular Edema.
3. Blepharitis
4. Jones Dye testing.
5. What is Trichiasis and Management.
6. Clinical features and management of Migraine.
7. Classification of Uveitis.
8. Orbital Cellulitis.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Ecchymosis.
2. Hypopyon.
3. Descemetocoele.
4. Blepharospasm.
5. Blue dot cataract.
6. Types of Drusens.
7. Signs and symptoms of Adenovirus Conjunctivitis.
8. Bell's phenomenon.
9. Rosette cataract.
10. Lacrimal Probing.

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

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 2741

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

**B.OPTOM**

**SECOND YEAR (Regulation from 2018-2019)**

**PAPER I – OCULAR DISEASES**

*Q.P. Code : 802741*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Types of cataract surgery. Discuss in detail about early post-operative complications.
2. Define corneal dystrophy. Enumerate various types of corneal dystrophy and discuss about endothelial dystrophy.
3. Draw visual pathway and discuss the various field defects that occur at different levels.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Albinism.
2. Eye bank.
3. Clinical features and management of acute dacryocystitis.
4. WHO classification of vitamin A deficiency.
5. Macular hole.
6. 4<sup>th</sup> nerve palsy.
7. Glaucoma drainage devices.
8. Evisceration.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Posterior Capsular Opacification (PCO).
2. Sub-conjunctival hemorrhage.
3. Three factors responsible for corneal transparency.
4. What is the normal anterior chamber depth and write three causes of deep AC.
5. Types of ptosis.
6. Three criteria for neurofibromatosis.
7. Types of retinal detachment.
8. Name 3 antifungal agents.
9. Stages of ROP.
10. RAPD.

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

**[AHS 0423]**

**APRIL 2023**

**Sub. Code: 2741**

**B.OPTOM**

**SECOND YEAR (Regulation 2018-2019 onwards)**

**PAPER I – OCULAR DISEASES**

***Q.P. Code: 802741***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define Glaucoma. Discuss the classification, clinical features, investigations and management of Primary Open Angle Glaucoma.
2. Write the classification, evaluation and management of Congenital Ptosis.
3. Pathogenesis and screening of Diabetic Retinopathy and management of Proliferative Diabetic Retinopathy.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Vernal Keratoconjunctivitis.
2. Branch Retinal Vein Occlusion.
3. Sympathetic Ophthalmitis.
4. Blow-out Orbital Floor Fracture.
5. Testing visual acuity in pre-school children.
6. Clinical signs and symptoms of Acute Anterior Uveitis.
7. Prostaglandin analogues.
8. Ectropion.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Types of Tonometer.
2. Triad of Fundus changes in Retinitis Pigmentosa.
3. Three tests for Color Vision.
4. Three indications of Keratoplasty.
5. Three signs seen in Thyroid eye disease.
6. Three causes of Axial Proptosis.
7. Clinical features of Complicated Cataract.
8. Trichiasis and its treatment.
9. Coloboma of Iris.
10. Three advantages of slit lamp.

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 2741

**B.OPTOM**

**SECOND YEAR (Regulation 2018-2019 onwards)**

**PAPER I – OCULAR DISEASES**

*Q.P. Code: 802741*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the muscles of the Iris and Pupil and their Nerve Supply. What is RAPD and how do you check for RAPD.
2. Describe in detail the Ocular manifestations of Blunt Trauma to the Eye.
3. Describe the types, clinical manifestations, investigations and treatment of Primary Angle Closure Glaucoma?

**II. Write notes on:**

**(8 x 5 = 40)**

1. Differences between Viral and Bacterial Corneal Ulcers.
2. Tonometry and its types.
3. What is Lagophthalmos? Explain the sequelae of Lagophthalmos.
4. Marcus Gunn Pupil.
5. What are the indications for performing Diurnal Variation test?
6. Clinical features and symptoms of Optic atrophy.
7. Define Staphyloma and Classify the various types of Staphyloma.
8. B-scan. Mention the indications for doing this test.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Difference between Subluxation and dislocation of the Lens.
2. Dacryocystitis – Causes.
3. Blepharitis – Definition and types.
4. Sympathetic Ophthalmia.
5. Why is conjunctival swab taken, Name any to indications.
6. Types of ARMD.
7. Diabetic Retinopathy and its stages.
8. Types of Corneal Opacities.
9. Clinical types Ptosis.
10. Difference between Heterochromia iridum and Heterochromia irides.

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

**[AHS 0424]**

**APRIL 2024**

**Sub. Code: 2741**

**B.OPTOM**  
**SECOND YEAR (Regulation 2018-2019 onwards)**  
**PAPER I – OCULAR DISEASES**  
*Q.P. Code: 802741*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:** **(3 x 10 = 30)**

1. Enumerate the types of Retinal Detachment. Discuss in detail clinical features and management of Rhegmatogenous Retinal detachment.
2. Discuss the causes of preventable blindness and how India combats blindness from a public standpoint.
3. What is Buphthalmos? Describe the clinical manifestations, investigations and recommended treatment for this condition.

**II. Write notes on:** **(8 x 5 = 40)**

1. Clinical features and management of bullous Keratopathy.
2. Examination of Pupillary reactions.
3. Clinical features and management of Ophthalmia Neonatorum.
4. Classification of Optic neuritis.
5. Anterior Uveitis - Clinical features and Management.
6. Indications for Pterygium excision surgery.
7. Types of Corneal scar and its management.
8. Clinical stages of cataract formation.

**III. Short answers on:** **(10 x 3 = 30)**

1. Name the three types of Exophthalmometer.
2. Rubeosis iridis.
3. Panretinal photocoagulation.
4. Enophthalmos.
5. What is DCR?
6. Stages of Corneal ulcer.
7. Retrobulbar haemorrhage.
8. Mention any three systemic conditions that can have associated cataract.
9. Achromatopsia.
10. Madarosis.

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

[AHS 1125]

NOVEMBER 2025

Sub. Code: 2741

**B. OPTOM**  
**SECOND YEAR (Regulation 2018-2019 onwards)**  
**PAPER I – OCULAR DISEASES**

*Q.P. Code: 802741*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define and classify cataract. Elaborate on the clinical features and management of senile cataract.
2. Classify Diabetic retinopathy. Write in detail about symptoms and management of Diabetic retinopathy.
3. Define and classify Glaucoma. Write in detail about clinical features and management of primary open angle glaucoma.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Ptosis evaluation and management.
2. Episcleritis.
3. Keratoconjunctivitis sicca.
4. Vitreous haemorrhage.
5. CRVO (Central Retinal Vein Occlusion).
6. Tonometry.
7. Vitamin A deficiency.
8. Intraocular foreign body.

**III. Short answers on:**

**(10 x 3 = 30)**

1. What is Vogt's triad?
2. What are the causes of sudden painless loss of vision?
3. Three names of abnormal pupil.
4. Subconjunctival haemorrhage.
5. Enucleation – indications.
6. Types of posterior capsular opacification (PCO).
7. Three causes of Axial proptosis.
8. Test for colour vision.
9. Types of corneal opacities.
10. Lacrimal probing.

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