

**B.OPTOM**  
(New Syllabus 2015-2016)

**SECOND YEAR**

**PAPER I – OCULAR DISEASES – I & II**

*Q.P. Code: 802711*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

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

1. Write in detail on the symptoms, classification, management of Vitamin A deficiency.
2. What is Pterygium? Write on its symptoms, signs, indications of surgery and the various options of surgery available for the pterygium.
3. Classify Diabetic Retinopathy. Write in detail the symptoms and management of Diabetic Retinopathy.

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

1. What is Lagophthalmos. Write a short note on the sequelae of Lagophthalmos with exposure keratopathy and its management.
2. Define Staphyloma, Classify and explain the various types of Staphyloma.
3. Tonometry and its types.
4. List and discuss the various differentials of a limbal nodule.
5. What are the various possible clinical features of a patient sustaining a blunt trauma?
6. Define and discuss on the clinical features of a senile cataract.
7. Management of Congenital Dacryocystitis.
8. Write in brief the clinical features and evaluation of a patient with Retinitis Pigmentosa.

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

1. Define Retinal Detachment.
2. Ecchymosis.
3. Corneal pannus.
4. Define scotoma.
5. Define Amblyopia and what are its types?
6. Amsler's grid testing.
7. Tear break up time.
8. Define legal blindness.
9. What is Hyphema?
10. Ectopia Lentis.

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**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

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

1. Classify the various types of ocular trauma. Write in detail on the sequelae of a patient sustaining a penetrating trauma.
2. Define and classify Cataract. Elaborate on the clinical features and the management of a senile cataract.
3. What is Dacryosystitis? Write in detail on its types, clinical features and management of each of the condition.

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

1. Tabulate the differences between fungal and bacterial corneal ulcers.
2. Allergic conjunctivitis.
3. Chalazion - clinical features and management.
4. Write in brief on the evaluation of a patient with Dry Eye disease.
5. Enucleation and its indications.
6. Chemical injury and its management.
7. Draw the visual pathway showing field defects at different levels of the pathway.
8. Management option in a patient with Diabetic Retinopathy.

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

1. YAG Capsulotomy.
2. What is RAPD?
3. Syringing and its importance.
4. Classify Ptosis.
5. What are the symptoms of a patient with Retinitis Pigmentosa?
6. Define Retinal Detachment.
7. Ecchymosis.
8. Corneal Pannus.
9. Tear break up time.
10. Define legal blindness.

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**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define and classify Cataract. Elaborate on the clinical features and the management of a senile cataract.
2. Define dry Eye. Write in detail of the various tests employed for tear function.
3. Classify Diabetic Retinopathy. Write in detail the symptoms and management of Diabetic Retinopathy.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Write a short note on complications of Corneal Ulcer.
2. How would you counsel a patient who is newly diagnosed with Retinitis Pigmentosa?
3. What is Pterygium? List the various indications of Pterygium Surgery.
4. Applanation Tonometry.
5. Write a short note on Relative Afferent Pupillary Defect.
6. Phthisis Bulbi.
7. Congenital Ptosis and its importance of management.
8. Tabulate the differences between a papilloedema and papillitis.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Define Blindness according to the NPCB.
2. What is Ectropion?
3. Name any three causes of Lagophthalmos.
4. Corneal Pannus.
5. What is the difference between subluxation and dislocation of the lens?
6. What dietary advice would you give a patient with Vitamin A deficiency?
7. Define Scotoma.
8. Define Amblyopia and what are its types?
9. Posterior Staphyloma.
10. Amsler's grid Testing.

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**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

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

1. Ocular manifestations of vitamin – A deficiency.
2. Clinical features and management of central retinal vein occlusion.
3. Clinical signs, types and management of Keratoconus.

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

1. Causes of congenital cataract.
2. Clinical signs of thyroid eye disease.
3. Types of corneal dystrophies.
4. Definition and management of Chalazion.
5. Clinical signs and symptoms of Acute Orbital Cellulitis.
6. Stages of Retinopathy of prematurity.
7. Anterior Uveitis.
8. Optic Atrophy.

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

1. Marcus Gun Pupil.
2. Proptosis.
3. Ectropion.
4. Exposure Keratitis.
5. Signs and symptoms of Background Diabetic Retinopathy.
6. Tear film Breakup Time.
7. Grades of Binocular Vision.
8. Night Blindness.
9. Relative Afferent Pupillary Defect.
10. Argon Laser.

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**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write about common diseases of the eyelid.
2. Write about different types of conjunctivitis.
3. Write about different types of cataract.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Write about the lacrimal pump.
2. Differentiate scleritis and episcleritis.
3. Write about vitamin A deficiency in the eye.
4. Evaluation of pupil.
5. Write about vitreous haemorrhage.
6. Write about diabetic retinopathy.
7. Write about retinal detachment.
8. Write about the visual field.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Saccades.
2. Nystagmus.
3. Define blindness.
4. Albinism.
5. Retinoblastoma.
6. Iritis.
7. Bones in the orbit.
8. Lattice degeneration.
9. Floaters.
10. Lenticonus.

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**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

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

1. Write about conditions affecting the optic nerve.
2. Write in detail about macular degenerations.
3. Write in detail about pupil anomalies.

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

1. Entropion.
2. Ptosis.
3. Jones test.
4. Episcleritis.
5. Proptosis.
6. Giant papillary conjunctivitis.
7. Corneal ulcers.
8. Senile cataract.

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

1. Cycloplegics.
2. Presbyopia.
3. Extent of the visual field.
4. Test for ocular motility.
5. Vergence eye movements.
6. Marfan's syndrome.
7. Sympathetic ophthalmia.
8. Bitot's spots.
9. Pterygium.
10. Arcus senilis.

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

**[AHS 0321]**

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

**Sub. Code: 2711**

**B.OPTOM  
SECOND YEAR (Regulation 2015-2016)  
PAPER I – OCULAR DISEASES – I & II  
Q.P. Code : 802711**

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write about common anomalies of the lacrimal system.
2. Write in detail about scleritis and episcleritis.
3. Write in detail about various corneal degenerations.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Ectropion.
2. Ptosis.
3. Anterior staphyloma.
4. Blow out fracture.
5. Bacterial conjunctivitis.
6. Keratoconjunctivitis Sicca.
7. Anterior uveitis.
8. Diabetic retinopathy.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Nuclear sclerosis.
2. Common causes of blindness.
3. Intraocular foreign bodies.
4. Nerve supply to extraocular muscles.
5. Vergence eye movements.
6. Visual pathway.
7. Lattice degeneration.
8. Phacodonesis.
9. Asteroid hyalosis.
10. Horner's pupil.

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

**[AHS 0222]**

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

**Sub. Code: 2711**

**B.OPTOM  
SECOND YEAR (Regulation 2015-2016)  
PAPER I – OCULAR DISEASES – I & II  
*Q.P. Code : 802711***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define pterygium? Write about the symptoms, signs and management of pterygium?
2. Ocular manifestations of Vitamin A deficiency?
3. Classify cataract? Investigations and management of senile cataract?

**II. Write notes on:**

**(8 x 5 = 40)**

1. Mucocele.
2. Membraneous conjunctivitis.
3. Entropion.
4. Adie's pupil.
5. Phacolytic glaucoma.
6. Night blindness.
7. Risk factors for diabetic retinopathy.
8. Worth four dot test.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Uveitis.
2. Bjerrums screen.
3. Ptosis.
4. Flourescein dye test.
5. Hyphema.
6. Chemical burns.
7. Pingicula.
8. Malingering test.
9. Optic atrophy.
10. Snellen's test.

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