

DIPLOMA IN OPTOMETRY TECHNOLOGY**SECOND YEAR****PAPER II – OCULAR DISEASES***Q.P. Code : 841512***Time : Three Hours****Maximum : 100 marks****Answer ALL questions in the same order.****I. Elaborate on:**

	Pages (Max.)	Time (Max.)	Marks (Max.)
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- | | | | |
|---|---|---------|----|
| 1. Etiology of paralytic squint, Clinical features, Investigation and Management. | 7 | 20 min. | 10 |
| 2. Definition of Ptosis, Classification, Clinical features, Investigation and Management of Ptosis. | 7 | 20 min. | 10 |
| 3. Proptosis - causes, clinical features, investigation and management of Proptosis. | 7 | 20 min. | 10 |

II. Write notes on:

- | | | | |
|-----------------------------|---|--------|---|
| 1. Diabetic retinopathy. | 4 | 9 min. | 5 |
| 2. Pterygium. | 4 | 9 min. | 5 |
| 3. Spring catarrh. | 4 | 9 min. | 5 |
| 4. Scleritis. | 4 | 9 min. | 5 |
| 5. Congenital Glaucoma. | 4 | 9 min. | 5 |
| 6. Retinitis pigmentosa. | 4 | 9 min. | 5 |
| 7. Complicated cataract. | 4 | 9 min. | 5 |
| 8. Trachoma. | 4 | 9 min. | 5 |
| 9. Chemical burns. | 4 | 9 min. | 5 |
| 10. Vitamin - A deficiency. | 4 | 9 min. | 5 |

III. Short answers on:

- | | | | |
|-----------------------------------|---|--------|---|
| 1. DCR. | 1 | 3 min. | 2 |
| 2. Enucleation. | 1 | 3 min. | 2 |
| 3. Blepharitis. | 1 | 3 min. | 2 |
| 4. Ophthalmia neonatorum. | 1 | 3 min. | 2 |
| 5. Hordeolum Internum. | 1 | 3 min. | 2 |
| 6. Corneal opacities. | 1 | 3 min. | 2 |
| 7. Provocative tests in Glaucoma. | 1 | 3 min. | 2 |
| 8. Management of Cataract. | 1 | 3 min. | 2 |
| 9. PCO. | 1 | 3 min. | 2 |
| 10. Symblepheron. | 1 | 3 min. | 2 |

[LC 0212]

FEBRUARY 2013

Sub. Code: 1512

DIPLOMA IN OPTOMETRY TECHNOLOGY

SECOND YEAR

PAPER II – OCULAR DISEASES

Q.P. Code : 841512

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Write about various Tear function tests.
2. Classify cataract. Write investigation and Management of senile cataract.
3. Define Keratoplasty. Indication and complications of Keratoplasty.

II. Write notes on:

(10 x 5 = 50)

1. Entropion.
2. Sympathetic Ophthalmitis.
3. POAG.
4. Orbital Cellulitis.
5. Herper Zoster Ophthalmicus.
6. Nystagmus.
7. Iridocyclitis.
8. Dry eye.
9. Lens induced Glaucoma.
10. Retinal Detachment.

III. Short Answers on:

(10 x 2 = 20)

1. Trichiasis.
2. Pinguecula.
3. Enophthalmos.
4. Siderosis bolbi.
5. Hypopyon.
6. Blepharospasm.
7. Exposure Keratitis.
8. Descematocele.
9. Photo ophthalmia.
10. Yag laser.

[LD 0212]

AUGUST 2013

Sub. Code: 1512

DIPLOMA IN OPTOMETRY TECHNOLOGY

SECOND YEAR

PAPER II – OCULAR DISEASES

Q.P. Code : 841512

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Clinical features & management of primary open angle glaucoma.
2. Causes of infective keratitis, diagnosis and management.
3. Trachoma – stages, sequelae and management.

II. Write notes on:

(10 x 5 = 50)

1. Ectropion.
2. Blepharitis.
3. Orbital cellulitis.
4. Paralytic squint.
5. Congenital cataract.
6. Optic atrophy.
7. Hypertensive retinopathy.
8. Scleritis.
9. Panophthalmitis.
10. Provocative tests for angle closure glaucoma.

III. Short Answers on:

(10 x 2 = 20)

1. Bitot's spots.
2. Sub-conjunctival haemorrhage.
3. Corneal opacities.
4. Stye.
5. Complicated cataract.
6. Mucopurulent conjunctivitis.
7. Dacryocystorhinostomy.
8. Amblyopia.
9. Iris Bombe'.
10. Lid abscess.

[LE 0212]

FEBRUARY 2014

Sub. Code: 1512

DIPLOMA IN OPTOMETRY TECHNOLOGY

SECOND YEAR

PAPER II – OCULAR DISEASES

Q.P. Code : 841512

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Etiology of paralytic squint, clinical features and management.
2. What are the causes, clinical features, investigations, and management of orbital Cellulitis.
3. Primary angle closure glaucoma - clinical features, investigation and management.

II. Write notes on:

(10 x 5 = 50)

1. Papilloedema.
2. Congenital glaucoma.
3. Hypertensive retinopathy.
4. Vitamin A deficiency.
5. Different types of optic atrophy.
6. Panophthalmitis.
7. Surgical management of myopia.
8. Ectropion.
9. Trachoma.
10. Esotropia.

III. Short Answers on:

(10 x 2 = 20)

1. Hyphema.
2. What is ametropic amblyopia.
3. Phacolytic glaucoma.
4. Staphyloma & types.
5. Three causes of sudden loss of vision.
6. Trabeculotomy.
7. Xerosis.
8. Exudative retinal detachment.
9. Corneal foreign body.
10. Trichiasis.

DIPLOMA IN OPTOMETRY TECHNOLOGY

SECOND YEAR

PAPER II – OCULAR DISEASES

Q.P. Code : 841512

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. What are the causes and clinical features of a case of orbital cellulitis? Discuss the management.
2. What are the different types of cataract? Discuss about congenital cataract.
3. What are the clinical features of a case of iridocyclitis? Discuss the causes and management of a case of iridocyclitis.

II. Write notes on:

(10 x 5 = 50)

1. Congenital ptosis.
2. Chalazion and it's treatment.
3. Causes of entropion and ectropion.
4. Discuss about dacryocystectomy surgery and it's advantages and disadvantages over Dacryocystorhinostomy.
5. Types of paralytic squint.
6. Discuss the uses of synaptophore.
7. Discuss the clinical features and management of ophthalmia neonatorum.
8. Explain the parts of a pterygium and mention about the treatment modalities.
9. Write about the WHO (World Health Organisation) classification of Vitamin A deficiency.
10. Mention the stages of hypertensive retinopathy with diagrams.

III. Short Answers on:

(10 x 2 = 20)

1. Lamellar cataract.
2. Symptoms and signs of iritis.
3. Corneal pannus.
4. Keratoconus.
5. Yag peripheral iridotomy.
6. Traumatic cataract.
7. Alkali burns of eye.
8. Trichiasis.
9. Stages of diabetic retinopathy.
10. Vitreous haemorrhage.

DIPLOMA IN OPTOMETRY TECHNOLOGY

SECOND YEAR

PAPER II – OCULAR DISEASES

Q.P. Code : 841512

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. What are the types of Proptosis? What are the various causes of proptosis? Discuss the clinical findings of Thyroid Related Orbitopathy (TRO).
2. Name the types of glaucoma. Discuss in detail primary open angle glaucoma - pathogenesis, clinical features and management.
3. What are the types of diabetic retinopathy? Discuss the different treatment modalities of diabetic retinopathy.

II. Write notes on:

(10 x 5 = 50)

1. Discuss Causes of ptosis and briefly on the management.
2. Chronic dacryocystitis.
3. Trachoma.
4. Ophthalmia neonatorum.
5. Secondary cataract.
6. Extraocular foreign bodies.
7. Episcleritis.
8. Provocative tests in glaucoma.
9. Retinitis pigmentosa.
10. Acute catarrhal conjunctivitis.

III. Short Answers on:

(10 x 2 = 20)

1. Pingecula.
2. Schirmer's test.
3. Sty.
4. Vitreous haemorrhage.
5. Adherent leucoma.
6. Bitot's spots.
7. Symblepharon.
8. Senile entropion.
9. Iridodialysis.
10. What is retinal detachment?

[LH 0815]

AUGUST 2015

Sub. Code: 1512

DIPLOMA IN OPTOMETRY TECHNOLOGY

SECOND YEAR

PAPER II – OCULAR DISEASES

Q.P. Code : 841512

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe the etiology, stages of cataract. Management of cataract.
2. Explain with etiology, clinical features and management of bacterial corneal ulcer.
3. Describe the etiology, clinical features and management of Primary Angle closure Glaucoma.

II. Write notes on:

(10 x 5 = 50)

1. Chalazion.
2. Retinal detachment.
3. Diabetic Macular Edema.
4. Iridocyclitis.
5. Vitamin A deficiency.
6. Ophthalmia Neonatorum.
7. Complicated cataract.
8. Vernal Kerato Conjunctivitis (VKC).
9. Endophthalmitis.
10. Pterygium.

III. Short Answers on:

(10 x 2 = 20)

1. Chronic Dacrocystitis.
2. Buphthalmos.
3. Amblyopia.
4. Episcleritis.
5. Retinitis Pigmentosa.
6. Keratoconus.
7. Tonometry.
8. Papilloedema.
9. Herpes simplex virus keratitis.
10. Entropion.

[L1 0216]

FEBRUARY 2016

Sub. Code: 1512

DIPLOMA IN OPTOMETRY TECHNOLOGY

SECOND YEAR

PAPER II – OCULAR DISEASES

Q.P. Code : 841512

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain the Risk factors, stages and Management of Diabetic Retinopathy.
2. Describe the etiology, stages of cataract. Management of cataract.
3. Describe the etiology, pathogenesis & Management of Primary Open Angle Glaucoma.

II. Write notes on:

(10 x 5 = 50)

1. Stye.
2. Keratoconus.
3. Extraocular foreign body.
4. Ptosis.
5. Xerophthalmia.
6. Ophthalmia Neonatorum.
7. Iridocyclitis.
8. Fungal Corneal Ulcer.
9. Endophthalmitis.
10. Pterygium.

III. Short Answers on:

(10 x 2 = 20)

1. Dacrocystorhinostomy (DCR).
2. Tonometry.
3. Posterior capsular Opacification.
4. Retinopathy of Prematurity.
5. Retinitis pigmentosa.
6. Trachoma.
7. Papilloedema.
8. Episcleritis.
9. Corneal opacities.
10. Ectropion.

**DIPLOMA IN OPTOMETRY TECHNOLOGY
SECOND YEAR
PAPER II – OCULAR DISEASES**

Q.P. Code: 841512

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Define Keratoconus. Elaborate on the clinical features, investigation and management of keratoconus.
2. Clinical features, evaluation & management of primary angle closure glaucoma.
3. Elaborate on Retinitis Pigmentosa – types, clinical features, investigations and management.

II. Write notes on:

(10 x 5 = 50)

1. Types of strabismus.
2. Orbital cellulitis – causes, investigation and management.
3. Ectropion – causes and management.
4. Amblyopia – definition, causes, types and management.
5. Clinical features and management of ophthalmia neonatorum.
6. Complicated cataract.
7. Chronic dacryocystitis.
8. Visual field defects in glaucoma.
9. Congenital ptosis.
10. Types of Retinal detachment.

III. Short answers on:

(10 x 2 = 20)

1. Phthisis bulbi.
2. Lagophthalmos.
3. Types of ocular injuries.
4. Retinal changes in pathological myopia.
5. Optic atrophy.
6. Bitot's spots.
7. Proptosis.
8. Signs and symptoms in iritis.
9. Episcleritis.
10. Blepharospasm.

**DIPLOMA IN OPTOMETRY TECHNOLOGY
SECOND YEAR
PAPER II – OCULAR DISEASES**

Q.P. Code: 841512

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Conjunctivitis - Elaborate on the types, clinical features, causes, investigation and management of Conjunctivitis.
2. Clinical features, evaluation & management of primary open angle glaucoma.
3. What are the different types of strabismus? Elaborate on them. Name the tests done to examine a strabismic patient.

II. Write notes on:

(10 x 5 = 50)

1. Trachoma.
2. Hordeolum– types, causes and management.
3. Hypertensive retinopathy and the various stages.
4. Pupillary reflexes and various tests for pupil evaluation.
5. Orbital cellulitis.
6. Keratoconus.
7. Sympathetic ophthalmia.
8. Ptosis.
9. Congenital cataract.
10. Iridocyclitis.

III. Short answers on:

(10 x 2 = 20)

1. Symblepharon.
2. Iridodialysis.
3. Hypopyon.
4. Buphthalmos.
5. Signs and symptoms in PACG.
6. Evisceration.
7. Alkali burns.
8. Tractional RD.
9. Marcus Gunn Jaw-winking Syndrome.
10. Amblyopia.

DIPLOMA IN OPTOMETRY TECHNOLOGY
SECOND YEAR
PAPER II – OCULAR DISEASES

Q.P. Code: 841512

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Write about Retinal detachment including classification, signs, symptoms and management.
2. Classify and write about proptosis.
3. Classify uveitis and write symptoms, signs and management.

II. Write notes on:

(10 x 5 = 50)

1. Definition and classification of strabismus (Squint).
2. Causes of vitreous haemorrhage.
3. Retinitis Pigmentosa.
4. Age related macular degeneration.
5. Retinoblastoma.
6. Classify diabetic retinopathy.
7. Retinopathy of prematurity.
8. Dacryocystitis.
9. Field changes in glaucoma.
10. Types of Tonometry.

III. Short answers on:

(10 x 2 = 20)

1. Signs and symptoms of optic neuritis.
2. What is papilloedema?
3. Binocular Single Vision.
4. What is Hess Chart?
5. What is Diplopia?
6. What is Nystagmus?
7. Mucocoele of Lacrimal Sac.
8. Two causes for watering eye.
9. Orbital Mucormycosis.
10. Synechiae.

DIPLOMA IN OPTOMETRY TECHNOLOGY
SECOND YEAR
PAPER II – OCULAR DISEASES

Q.P. Code: 841512

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Write about tear film tests.
2. Differentiate between preseptal cellulitis and orbital cellulitis.
3. Classify and write about diabetic retinopathy.

II. Write notes on:

(10 x 5 = 50)

1. Endophthalmitis.
2. Tonometry.
3. Syringing.
4. Bjerrum Screen.
5. Field defects in open angle glaucoma.
6. Enophthalmos.
7. Classification of Proptosis.
8. Orbital blow out fracture.
9. Toxoplasmosis.
10. Hypertensive Retinopathy.

III. Short answers on:

(10 x 2 = 20)

1. Pyocoele.
2. Hirschberg Corneal Reflex Test.
3. Name the Extraocular Muscles of the eye.
4. Binocular Single Vision.
5. Hess Chart.
6. What is Hyphaema?
7. Sympathetic Ophthalmitis.
8. Layers of Tear Film.
9. Causes of Watering Eye.
10. Name two tumors of uvea.

**DIPLOMA IN OPTOMETRY TECHNOLOGY
SECOND YEAR
PAPER II – OCULAR DISEASES**

Q.P. Code: 841512

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Primary open angle Glaucoma- Write about symptoms, signs, field changes management.
2. Diabetic Retinopathy.
3. Define and write about proptosis.

II. Write notes on:

(10 x 5 = 50)

1. Papilloedema.
2. Retinitis Pigmentosa.
3. Vitreous Haemorrhage.
4. Congenital Glaucoma.
5. Orbital Cellulitis.
6. Types of Tonometry.
7. Uveitis in Parasitic Infection.
8. Staphyloma.
9. Synechiae.
10. Features of Acute Congestive Glaucoma.

III. Short answers on:

(10 x 2 = 20)

1. Write two complications of uveitis.
2. Name two tumours of uvea.
3. Name structures of angle of the anterior chamber.
4. Define Glaucoma.
5. What is normal intraocular pressure?
6. Write two factors affecting intraocular pressure.
7. Mucocele.
8. Asteroid Hyalosis.
9. Write two findings in Hypertensive Retinopathy.
10. Name the types of Retinal Detachment.

DIPLOMA IN OPTOMETRY TECHNOLOGY

SECOND YEAR

PAPER II – OCULAR DISEASES

Q.P. Code: 841512

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Ptosis – definition, types, clinical features, evaluation and management.
2. Define Cataract. Classify cataract and explain about the different types.
3. Diabetic Retinopathy – types, clinical features, investigations and management.

II. Write notes on:

(10 x 5 = 50)

1. Vitamin ‘A’ deficiency and its effect on the eyes.
2. Entropion.
3. Pterygium.
4. Chemical burns.
5. Evaluation of dry eyes.
6. Lens induced glaucoma.
7. Infective keratitis.
8. Paralytic strabismus.
9. Endophthalmitis.
10. Optic neuropathy.

III. Short answers on:

(10 x 2 = 20)

1. RAPD.
2. Trichiasis.
3. Pseudoexfoliation.
4. Bullous keratopathy.
5. Neovascular glaucoma.
6. PCO.
7. Accommodative esotropia.
8. Blunt injury to the eye.
9. DCR.
10. Pinguecula.