

SEPTEMBER 1990

115

EXAMINATION FOR THE POST-GRADUATE DIPLOMA IN
OPHTHALMOLOGY (D.O.) SEPTEMBER 1990.

Paper I — OPTHALMOLOGY INCLUDING ANATOMY,
PHYSIOLOGY AND PATHOLOGY OF EYE

Time : Three hours.

Maximum : 100 marks.

Answer ALL the questions.

1. Describe the anatomy and physiology of Extra-ocular muscles. (20 marks)
 2. Discuss the composition of Aqueous humor and its clinical importance. (20 marks)
 3. Discuss correction of Unilateral Aphakia. (20 marks)
 4. Write short notes on : (4 × 10 = 40)
 - (a) Viral keratitis.
 - (b) Histopathology of Retinoblastoma.
 - (c) Diplococci.
 - (d) Mydratics.
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APRIL 1992

[219]

**EXAMINATION FOR THE POST-GRADUATE DIPLOMA IN
OPHTHALMOLOGY (D.O.), APRIL 1992.**

**Paper I — OPTHALMOLOGY INCLUDING ANATOMY,
PHYSIOLOGY AND PATHOLOGY OF EYE**

Time : Three hours. Maximum : 100 marks.

Answer ALL the questions.

- 1. Describe the Anatomy and Blood supply of optic nerve head. Describe briefly the several pathological changes seen in the optic nerve head. (25 marks)**
 - 2. Discuss in detail the 'Ocular Hypotensives". (25 marks)**
 - 3. Write short notes on: (5 x 10 = 50 marks)**
 - (a) Applanation Tonometry.**
 - (b) Accommodation.**
 - (c) Anisometropia.**
 - (d) Bjerrum screen.**
 - (e) Morax-Axenfeld Bacillus.**
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APRIL 1993

[RS 271]

DIPLOMA IN OPHTHALMOLOGY.

Paper I

**OPHTHALMOLOGY INCLUDING ANATOMY
PHYSIOLOGY AND PATHOLOGY OF THE EYE**

Time : Three hours

Maximum : 100 marks

SECTION A

1. Describe the blood supply of the eye ball. (20)
2. Discuss the theories of color vision and anomalies. (20)
3. Describe the pathology of uveal melanomas. (20)

SECTION B

4. Describe briefly : (4 × 10 = 40)
 - (a) Prism in Ophthalmology.
 - (b) Biophysics of LASER.
 - (c) Tapeworm infestation of Eye.
 - (d) Optics of different types of contact lenses.
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NOVEMBER 1993

[PR 511]

DIPLOMA IN OPHTHALMOLOGY

Paper I

**OPHTHALMOLOGY INCLUDING ANATOMY PHYSIOLOGY
AND PATHOLOGY OF THE EYE**

Time : Three hours

Maximum : 100 marks

**Answer Section A and Section B
in separate answer books.**

SECTION A

1. Describe the anatomy of retina and its blood supply. (20)
2. Describe the theories of accommodation and its anomalies. (20)
3. Describe the pathology of retinoblastoma. (20)

SECTION B

4. Describe briefly : (4 × 10 = 40)
 - (a) Uses of plus lenses in ophthalmology.
 - (b) Lasers in ophthalmology.
 - (c) Pathology of Trachoma.
 - (d) Soft contact lenses.
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APRIL 1994

[VM 1235]

DIPLOMA IN OPHTHALMOLOGY

Paper I

**OPHTHALMOLOGY INCLUDING ANATOMY PHYSIOLOGY
AND PATHOLOGY OF THE EYE**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Answer Section A and B in separate answer books.

SECTION A

1. Describe the anatomy of superior orbital fissure. (20)
2. Describe the physiology of binocular vision. (20)
3. Describe the pathology of lacrimal gland tumours. (20)

SECTION B

1. Describe briefly on : (40)
 - (a) Principles of Retinoscopy.
 - (b) Lasers in Ophthalmology.
 - (c) Pseudoglioma.
 - (d) Myopia.
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NOVEMBER 1994

[ND 337]

DIPLOMA IN OPHTHALMOLOGY

Paper I

**OPHTHALMOLOGY INCLUDING ANATOMY
PHYSIOLOGY AND PATHOLOGY OF THE EYE**

Time : Three hours

Maximum : 100 marks

Answer All questions.

Answer Section A and B in separate answer books.

SECTION A

1. Describe the anatomy of extraocular muscles and their functions. (15)
2. Describe the physiology of binocular vision. (15)
3. Describe the physiology of lens, lens nutrition, electrolyte balance of lens and pathology of cataract. (15)
4. Describe the pathology of Retinoblastoma of eye. (15)

SECTION B

5. Write short notes on : (4 x 10 = 40)
 - (a) Blood-aqueous barrier.
 - (b) Immuno suppressors.
 - (c) Lasers in ophthalmology.
 - (d) Pathological myopia.
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APRIL 1995

SB 404]

DIPLOMA IN OPHTHALMOLOGY

(New Regulations)

**Paper I — OPHTHALMOLOGY INCLUDING
MICROBIOLOGY, ANATOMY, PHYSIOLOGY, PATHOLOGY
OF THE EYE**

Time : Three hours

Maximum 100 marks

Answer ALL questions.

1. Describe the origin, course relations of Abducens Nerve. (25)
2. Describe the physiology of tear film. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Adenoviruses.
 - (b) Histopathology of Retinoblastoma.
 - (c) Development of cornea.
 - (d) Tenous capsule.
 - (e) Blood retinal barrier.

APRIL 1997

[MP 357]

DIPLOMA IN OPHTHALMOLOGY

(New Regulations)

Part I

**Paper I — OPHTHALMOLOGY INCLUDING MICROBIOLOGY,
ANATOMY, PHYSIOLOGY AND PATHOLOGY OF THE EYE**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the anatomy of the bony orbit. (25)
2. Discuss the metabolism of the cornea. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Lens plate.
 - (b) Visual acuity.
 - (c) Histopathology of retinoblastoma.
 - (d) Ocular myiasis.
 - (e) Angle of anterior chamber

OCTOBER 1997

MS 350

DIPLOMA IN OPHTHALMOLOGY

(Old Regulations)

Paper I - OPHTHALMOLOGY INCLUDING ANATOMY,
PHYSIOLOGY AND PATHOLOGY OF THE EYE

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss mechanisms of corneal transparency. (20)
2. Discuss the micro structure of the retina. (20)
3. Describe the pathology of sympathetic ophthalmia. (20)
4. Write briefly on: (4x10=40)
 - (a) Accommodate esotropia
 - (b) Afferent pupillary defect
 - (c) Biochemistry of cataractous lens
 - (d) Dorzolamide.

OCTOBER 1997

[MS 352]

DIPLOMA IN OPHTHALMOLOGY

(New Regulations)

Part I

Paper I — OPHTHALMOLOGY INCLUDING
MICROBIOLOGY, ANATOMY, PHYSIOLOGY AND
PATHOLOGY OF THE EYE

Time: Three hours

Maximum: 100 marks

Answer ALL questions.

1. Discuss the anatomy of the structure of the angle of anterior chamber and the drainage of the aqueous humor. (25)
 2. Discuss the pathology of the ocular changes in diabetes mellitus. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) β - Blocker drugs.
 - (b) Retinal pigment epithelium.
 - (c) Retinal toxicity of antibiotics.
 - (d) Visual evoked potentials.
 - (e) Corneal endothelium.
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APRIL 1998

SV 378

DIPLOMA IN OPHTHALMOLOGY

(Old Regulations)

Paper I - OPHTHALMOLOGY INCLUDING ANATOMY,
PHYSIOLOGY AND PATHOLOGY OF THE EYE

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the pathology of basal cell carcinoma of the lids.
2. Discuss the formation of aqueous humor and maintenance of intraocular pressure.
(20)
3. Describe the development of the crystalline lens.
4. Write briefly on: (4x10=40)
 - (a) Alternate divergent squint
 - (b) High AC/A ratio
 - (c) Timolol maleate
 - (d) Oculomotor nerve

APRIL 1998

[SV 380]

DIPLOMA IN OPHTHALMOLOGY

(New Regulations)

Part I

**Paper I — OPHTHALMOLOGY INCLUDING
MICROBIOLOGY, ANATOMY, PHYSIOLOGY AND
PATHOLOGY OF THE EYE**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the anatomy of the levator palpebrae superioris. (25)
 2. Discuss the mechanisms of color vision. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Amsler's grid.
 - (b) Histopathology of ocular malignant melanoma.
 - (c) Microbiology of postoperative endophthalmitis.
 - (d) Tear film.
 - (e) Blood supply of optic nerve head.
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APRIL 1999

[SG 1563]

Sub. Code : 3106

DIPLOMA IN OPHTHALMOLOGY EXAMINATION.

(Old Regulations)

**Paper I — OPHTHALMOLOGY INCLUDING
ANATOMY, PHYSIOLOGY AND PATHOLOGY OF
THE EYE**

Time : Three hours , Maximum : 100 marks

Answer ALL questions.

1. Describe the various spaces in the orbit and their clinical significance. (20)
 2. Discuss how the intra ocular pressure is maintained. What is Scleral Rigidity? (20)
 3. Describe the Histopathology of Malignant Melanoma of choroid and its clinical significance. (20)
 4. Write briefly on : (4 × 10 = 40)
 - (a) Cherry Red Spot.
 - (b) Low Vision Aids.
 - (c) Photopsia.
 - (d) Retina in Aids.
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APRIL 1999

[SG 1565]

Sub. Code : 3108

DIPLOMA IN OPHTHALMOLOGY EXAMINATION.

(New Regulations)

Part I

**OPHTHALMOLOGY INCLUDING MICROBIOLOGY,
ANATOMY, PHYSIOLOGY AND PATHOLOGY OF
THE EYE**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the Anatomical Relations of Oculomotor Nerves. (25)
 2. Discuss various theories of colour vision. What are the various colour vision abnormalities and how to detect them? (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Role of Prostaglandins in Ophthalmology.
 - (b) Viral affections of the eye.
 - (c) Fine needle aspiration biopsy.
 - (d) Distribution of Macular fibres in Visual pathway.
 - (e) Acid Fast bacilli in eye disease.
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OCTOBER 1999

[KA 1565]

Sub. Code : 3108

DIPLOMA IN OPHTHALMOLOGY EXAMINATION.

(New Regulations)

Part I

**OPHTHALMOLOGY INCLUDING MICROBIOLOGY,
ANATOMY, PHYSIOLOGY AND PATHOLOGY OF
THE EYE**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the anatomy and nerve supply of the extraocular muscles. (25)
 2. Discuss the physiology and theories of colour vision. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Pathology of retinoblastoma
 - (b) Microbiology of trachoma
 - (c) Electro-oculogram
 - (d) Transparency of the cornea
 - (e) Aqueous drainage.
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APRIL 2000

[KB 1565]

Sub. Code : 3108

DIPLOMA IN OPHTHALMOLOGY EXAMINATION.

(New Regulations)

Part I

**OPHTHALMOLOGY INCLUDING MICROBIOLOGY,
ANATOMY, PHYSIOLOGY AND PATHOLOGY OF
THE EYE**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the anatomy of superior oblique fissure with the help of diagram. Discuss its various relations. (25)
 2. Describe the papillary reflex and the accommodation pathway? Discuss the papillary changes in various pathological conditions. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Newer drugs in glaucoma
 - (b) Bacterial keratitis
 - (c) Blood supply of optic nerve head
 - (d) Affection of eye in diabetes
 - (e) Vitamin A deficiency.
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OCTOBER 2000

[KC 1565]

Sub. Code : 3108

DIPLOMA IN OPHTHALMOLOGY EXAMINATION.

(New Regulations)

Part I

OPHTHALMOLOGY INCLUDING MICROBIOLOGY,
ANATOMY, PHYSIOLOGY AND PATHOLOGY OF
THE EYE

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe anatomy of optic nerve and its important relations. (25)
 2. Discuss various theories of aqueous secretion. Add a note on factors maintaining intraocular pressure. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Superior Orbital fissure anatomy.
 - (b) Pathology of Retinoblastoma.
 - (c) Panum's area.
 - (d) Dorzocamide.
 - (e) Tric virus.
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