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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – JULY 2005

SUBJECT: PAPER I: BASIC SCIENCES RELATED TO THE SPECIALITY

Monday, July 04, 2005

Time: 3 hours

Max. Marks: 100

✍ Answer ALL the questions.

✍ Illustrate your answers with diagrams, flow charts wherever appropriate.

1. Describe the development, anatomy and congenital disorders of the angle of anterior chamber.
(20 marks)

2. Describe the physiological basis of colour vision and its anomalies.
(20 marks)

3. Discuss prisms in ophthalmology.
(20 marks)

4. Write short notes on:
 - 4A. Relative afferent pupillary defect.
 - 4B. Drug induced ocular toxicity.
 - 4C. Histopathology of basal cell carcinoma.
 - 4D. Acanthamoeba.

(10 × 4 = 40 marks)

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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – JULY 2005

SUBJECT: PAPER II: DISEASES OF ANTERIOR SEGMENT, ADNEXA, SQUINT AND PAEDIATRIC OPHTHALMOLOGY

Tuesday, July 05, 2005

Time: 3 hours

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

1. Discuss the differential diagnosis of congenital corneal opacities.

(20 marks)

2. Describe clinical features, complications and management of intermediate uveitis.

(20 marks)

3. What is the etipathogenesis, clinical features and management of ciliary block glaucoma?

(20 marks)

4. Write short notes on:

4A. IV Nerve palsy

4B. Ectopia lentis

4C. Recurrent Pterygium

4D. Dorzolamide.

(10 × 4 = 40 marks)

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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – JULY 2005

**SUBJECT: PAPER III: DISEASES OF POSTERIOR SEGMENT AND SYSTEMIC
OPHTHALMOLOGY, NEURO OPHTHALMOLOGY AND OPHTHALMIC SURGERIES**

Wednesday, July 06, 2005

Time: 3 hours

Max. Marks: 100

Answer ALL the questions.

Illustrate your answers with diagrams, flow charts wherever appropriate.

1. Discuss the clinical features, diagnosis and management of Herpes Zoster Ophthalmicus.
(20 marks)
2. Discuss the pre disposing factors for Rhegmatogenous Retinal Detachment. How will you manage a case of recent onset rhegmatogenous retinal detachment?
(20 marks)
3. Discuss the recent advances in surgical management of myopia. Write a note on complications associated with surgical treatment of myopia.
(20 marks)
4. Write short notes on:
 - 4A. Vogt Koyanagi Haradas Disease
 - 4B. Cyanoacrylate Glue
 - 4C. Optokinetic nystagmus (OKN)
 - 4D. Branch retinal vein occlusion.

(10×4 = 40 marks)

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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – DECEMBER 2005

SUBJECT: PAPER I: BASIC SCIENCES RELATED TO THE SPECIALITY

Monday, December 05, 2005

Time: 3 hours

Max. Marks: 100

Answer ALL the questions.

Illustrate your answers with diagrams, flow charts wherever appropriate.

1. Describe the pathway for light reflex. Discuss in short the causes of anisocoria.

(20 marks)

2. Discuss the factors affecting corneal transparency.

(20 marks)

3. Discuss briefly the dynamics of direct and indirect ophthalmoscopy with diagrams.

(20 marks)

4. Write short notes on:

4A. Jacksons Cross Cylinder.

4B. Inclusion bodies.

4C. Latanoprost.

4D. Histopathology of retinoblastoma.

(10 × 4 = 40 marks)

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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – DECEMBER 2005

**SUBJECT: PAPER II: DISEASES OF ANTERIOR SEGMENT, ADNEXA, SQUINT AND
PAEDIATRIC OPHTHALMOLOGY**

Tuesday, December 06, 2005

Time: 3 hours

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

1. Discuss the indications, types and complications of keratoplasty. (20 marks)

2. Discuss in detail thyroid ophthalmopathy. (20 marks)

3. Discuss esotropia and its management. (20 marks)

4. Write short notes on:

4A. Foldable IOLs.

4B. Neovascular glaucoma.

4C. Aniridia.

4D. Schirmer's test.

(10 × 4 = 40 marks)

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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – DECEMBER 2005

SUBJECT: PAPER III: DISEASES OF POSTERIOR SEGMENT AND SYSTEMIC OPHTHALMOLOGY, NEURO OPHTHALMOLOGY AND OPHTHALMIC SURGERIES

Wednesday, December 07, 2005

Time: 3 hours

Max. Marks: 100

✍ Answer ALL the questions.

✍ Illustrate your answers with diagrams, flow charts wherever appropriate.

1. Etiology, clinical features and management of CRVO. Write a note on CRVO trial.
(20 marks)
2. Discuss ocular manifestations of HIV infection Add a note on treatment of CMV retinitis.
(20 marks)
3. Mention the different surgical approaches to the orbit. Write in detail about lateral orbitotomy.
(20 marks)
4. Write short notes on:
 - 4A. Ocular Myasthenia.
 - 4B. Primary Optic atrophy.
 - 4C. ARMD.
 - 4D. Sympathetic ophthalmitis.

(10×4 = 40 marks)