

**MANIPAL UNIVERSITY****DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2009****SUBJECT: PAPER I: APPLIED BASIC SCIENCES RELATED TO THE SPECIALITY**

Wednesday, April 01, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✗ Answer **ALL** the questions.
- ✗ Illustrate your answers with diagrams, flow charts wherever appropriate.
- ✗ Each question carries **TEN** marks.

1. Write a short note on blood ocular barrier and its significance.
2. Discuss in brief the development of binocular single vision.
3. Write a short note on therapeutic contact lens.
4. Write briefly on pharmacology of Atropine and its ophthalmic uses.
5. Discuss briefly uses of prisms in ophthalmology.
6. Write a short note on Inclusion bodies.
7. Discuss briefly histopathology of malignant melanoma.
8. Write a short note on Jackson's cross cylinder.
9. Discuss briefly development and anatomy of anterior chamber (AC) angle.
10. Draw light reflex pathway. Briefly discuss causes of anisocoria.



## MANIPAL UNIVERSITY

## DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2009

## SUBJECT: PAPER II: OPHTHALMIC MEDICINE AND SURGERY-DISEASES OF ANTERIOR SEGMENT OF EYE AND REFRACTION AND SQUINT

Thursday, April 02, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ Answer ALL the questions.
  - ✍ Write answers that are brief, clear, relevant and legible.
  - ✍ Illustrate your answers with diagrams, flow charts wherever appropriate.
1. Explain the evaluation, investigations and treatment of Dry Eye.
  2. Describe etiopathogenesis, clinical features and management of Keratomycosis.
  3. Describe the clinical features and management of Pseudoexfoliation syndrome.
  4. What are the causes of childhood esotropia? How will you evaluate and manage a 4 year old child with esotropia?
  5. Discuss the clinical features and management of Fuch's heterochromic uveitis.
  6. Enumerate the causes and explain the management of persistent epithelial defects.
  7. Discuss the various corrective modalities of Aphakia. What is Anisometropia?
  8. Describe the role of LASER in management of Glaucoma.
  9. Explain "Angle recession glaucoma".
  10. Discuss the surgical management of Pterygium.



**MANIPAL UNIVERSITY****DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2009****SUBJECT: PAPER III: OPHTHALMIC MEDICINE AND SURGERY-DISEASES OF POSTERIOR SEGMENT OF EYE, ADNEXA AND OPHTHALMOLOGY WITH RELATION TO GENERAL MEDICINE**

Friday, April 03, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ **Answer ALL the questions.**
- ✍ **All the questions carry equal marks.**
- ✍ **Draw diagrams wherever required.**

1. Describe the fundus picture in a case of central retinal artery occlusion. Add a note on management of Central Retinal Artery Occlusion (CRAO).
2. Classify optic neuritis. Discuss the clinical features and management of any one of them.
3. Discuss the role of orbital decompression in the management of thyroid ophthalmopathy.
4. Discuss the role of newer drugs in the management of age related macular degeneration.
5. Discuss the various substances used for internal tamponade in rhegmatogenous retinal detachment.
6. Classify ptosis. Write briefly about the surgical correction of ptosis.
7. Discuss the atypical forms of retinitis pigmentosa.
8. Describe the clinical features of Tolosa Hunt syndrome.
9. Discuss the histopathology of malignant melanoma of the choroid.
10. Discuss the stages of retinopathy of prematurity. Add a note on risk factors.

