

MANIPAL UNIVERSITY

DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – OCTOBER 2011

SUBJECT: PAPER I: APPLIED BASIC SCIENCES RELATED TO THE SPECIALITY

Monday, October 03, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions. Each question carries TEN marks.

✍ Draw neat and labeled diagrams wherever necessary.

1. Discuss surgical limbus and its importance.
2. Discuss the biochemical parameters of a normal crystalline lens and that of cataractous lens.
3. Describe histopathology of trachoma follicle. Add a note on trachomatous pannus.
4. Discuss botulinum toxin and its use in ophthalmology.
5. With the help of a diagram illustrate the formation of fundus image in indirect ophthalmoscope and add a note on its optics.
6. Describe the anatomy of 3rd cranial nerve. How do you establish the level of lesion in case of third nerve paralysis?
7. **Write short notes on:**
 - 7A. Microbiological stains used for the diagnosis of fungal lesions.
 - 7B. Conjunctival impression cytology.
8. Discuss horopter, panum's fusional area and physiological diplopia. Describe two tests to assess binocular diplopia.
9. Discuss various types of bifocal and multifocal spectacles.
10. **Write short notes on:**
 - 10A. Surgical treatment for myopia.
 - 10B. Stains and culture media used for the diagnosis of acanthameba.



MANIPAL UNIVERSITY**DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – OCTOBER 2011****SUBJECT: PAPER II: OPHTHALMIC MEDICINE AND SURGERY-DISEASES OF ANTERIOR SEGMENT OF EYE AND REFRACTION AND SQUINT**

Tuesday, October 04, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ **Answer ALL the questions. Each question carries TEN marks.**
- ✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**
- ✍ **Write answers that are brief, clear, relevant and legible.**
1. Discuss in brief application of SWAP (Short Wave Automated Perimetry) in Ophthalmology.
 2. Discuss Lens induced glaucoma.
 3. Discuss the factors affecting corneal transparency.
 4. Describe various types of Foldable IOLs.
 5. Describe clinical features and management of Neovascular glaucoma.
 6. Discuss differential diagnosis of Ectopia lentis and its management.
 7. Discuss indications, contraindications and mechanism of action of Latanoprost.
 8. Discuss the differential diagnosis of congenital corneal opacities.
 9. Discuss the Management of Recurrent pterygium.
 10. Discuss clinical features of Sympathetic ophthalmitis and its management.



MANIPAL UNIVERSITY**DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – OCTOBER 2011****SUBJECT: PAPER III: OPHTHALMIC MEDICINE AND SURGERY-DISEASES OF POSTERIOR SEGMENT OF EYE, ADNEXA AND OPHTHALMOLOGY WITH RELATION TO GENERAL MEDICINE**

Thursday, October 06, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions. Each question carries TEN marks.

✍ Draw neat and labeled diagrams wherever necessary.

1. Describe the etiology, clinical features and management of ocular toxoplasmosis.
2. Discuss the etiology, clinical features and management of Carotid-cavernous fistula.
3. Explain in brief Sturge Weber syndrome.
4. Mention the causes of leukocoria. Discuss the staging and management of retinoblastoma.
5. Discuss the causes, diagnosis and management of choroidal neovascularisation (CNVM). Add a note on the recent modalities of treatment of CNVM.
6. Discuss the clinical features and differential diagnosis of Optic disc drusen.
7. Discuss the inheritance, clinical features and management of Gyrate atrophy.
8. Describe the etiology, clinical features and management of Congenital nasolacrimal duct obstruction.
9. Describe the Ocular manifestations of leprosy.
10. Draw a neat labeled diagram of the pupillary pathway. What are the causes of light near dissociation? Describe the clinical features and diagnosis of Adie pupil.

