

MANIPAL UNIVERSITY

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

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

Monday, April 04, 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 blood supply of optic nerve and its clinical importance.
2. Describe the photochemical changes that take place in the retina on stimulation by light.
3. Describe histopathology of retinoblastoma, add a note on its inheritance.
4. Discuss newer fluoroquinolones used in ophthalmology.
5. Discuss retinoscopy.
6. With the help of a diagram describe the connections of cavernous sinus. Add a note on cavernous sinus thrombosis.
7. **Write short notes on:**
 - 7A. Halberstaedter Prowazek inclusion bodies
 - 7B. Electro oculogram
8. Discuss visual perceptions. Describe the tests to evaluate any one of them.
9. Discuss briefly combined topical ocular hypotensive preparations.
10. **Write short notes on:**
 - 10A. Keratometry
 - 10B. Zeil Neelsen stain



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

Tuesday, April 05, 2011

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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- ✍ **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. Explain in brief “Ophthalmia Neonatorum”.
 2. What are the indications for Penetrating Keratoplasty? Describe corneal donor graft evaluation.
 3. Describe the clinical features and management of “Pigmentary Glaucoma”.
 4. Describe the causes, clinical features, evaluation and management of Superior Oblique palsy.
 5. Describe the recent advances in Intraocular lenses.
 6. Describe the classification, clinical features and management of Scleritis.
 7. Define and classify Myopia. Enumerate its various treatment options and briefly describe its surgical management.
 8. What are the clinical features and management of Lens induced glaucoma.
 9. Explain in brief “Irido Corneal Endothelial syndrome”.
 10. Discuss in brief, functioning of “Automated Perimetry”.



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

SUBJECT: PAPER III: OPHTHALMIC MEDICINE AND SURGERY-DISEASES OF POSTERIOR SEGMENT OF EYE, ADNEXA AND OPHTHALMOLOGY WITH RELATION TO GENERAL MEDICINE

Wednesday, April 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 various modalities of investigations to localise the intraocular Foreign Body. How do you manage a case of intraocular foreign body? Add a note on siderosis bulbi.
2. Discuss the etiology, pathogenesis, clinical features and management of thyroid eye disease.
3. Describe the anatomy of the optic chiasma. Discuss the clinical features, field defects and differential diagnosis of craniopharyngioma.
4. Discuss the etiology and clinical features of Anterior ischemic optic neuropathy (AION). Add a note on treatment of arteritic AION.
5. Describe the etiology, clinical features, complications, differential diagnosis and management of Pars planitis.
6. Explain Rodent ulcer of the lids. Discuss the management of rodent ulcer of lower lid.
7. Enumerate the corneal dystrophies. Discuss the stromal dystrophies of the cornea.
8. Write briefly on Ocular manifestations of rheumatoid arthritis.
9. Discuss the clinical features and evaluation of Keratoconjunctivitis sicca. Add a note on management of dry eye.
10. Discuss the clinical features, pathology, investigations, differential diagnosis and management of malignant melanoma of the choroid.

