

MANIPAL UNIVERSITY**DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – OCTOBER 2010****SUBJECT: PAPER I: APPLIED BASIC SCIENCES RELATED TO THE SPECIALITY**

Monday, October 04, 2010

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:**
1. Discuss the development and anatomy of the lacrimal apparatus.
 2. Discuss electroretinogram and its clinical applications.
 3. Describe the microbiological features of three gram negative organisms and briefly discuss the ophthalmic lesions caused by these.
 4. Discuss pharmacological modulation of glaucoma filtering surgery.
 5. Discuss low vision aids.
 6. Describe the nerve supply of pupil with the help of diagrams. Discuss afferent papillary defect.
 7. Write short notes on:
 - 7A. Sturms conoid
 - 7B. Duochrome test
 8. Discuss development of the angle of the anterior chamber. Discuss briefly Reigers Syndrome.
 9. Discuss corneal transparency.
 10. Write short notes on:
 - 10A. Geimsa stain
 - 10B. Surgical correction of presbyopia



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

Wednesday, October 06, 2010

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.**

1. Describe the etiology, pathogenesis, ocular manifestations and management of myasthenia gravis.
2. Discuss the causes, clinical features and management of vitreous hemorrhage.
3. Describe the principles and clinical uses of indocyanine green angiography.
4. Discuss the clinical features, complications and management of Fuchs heterochromic cyclitis.
5. Discuss ectropion of the eye lid and its surgical management.
6. Discuss etiology, clinical features and management of Acute Dacryocystitis.
7. Discuss the clinical features, complications and management of Coats disease.
8. Discuss the causes, clinical features and Diagnosis of Horner syndrome.
9. Discuss the etiology, clinical features, complications and management of Orbital cellulitis.
10. Explain in brief traumatic optic neuropathy.

