

MANIPAL UNIVERSITY**MS (OPHTHALMOLOGY) DEGREE EXAMINATION – APRIL 2010****SUBJECT: PAPER I: APPLIED BASIC SCIENCES**

Monday, April 05, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✂ **Answer ALL the questions. Each question carries TEN marks.**

1. Describe the anatomy of the angle of the anterior chamber. Write a note on Gonioscopy.
2. Describe the Pre corneal tear film. How would you evaluate a case of dry eye?
3. Describe the superior orbital fissure and its clinical significance.
4. Write briefly on the embryology of the lens.
5. Discuss the development of binocular vision. Discuss Amblyopia and its Management.
6. Describe the histopathological features of Retinoblastoma and mention the prognostic significance.
7. Discuss Rhinosporidiosis of the lacrimal sac.
8. Draw a neat diagram of the visual pathway adding a note on visual field defects at various levels.
9. Explain the metabolism of Vit A with a note on Vit-A deficiency and its prophylaxis.
10. Discuss the 3rd cranial nerve and Explain the various syndromes associated with its involvement.

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MANIPAL UNIVERSITY**MS (OPHTHALMOLOGY) DEGREE EXAMINATION – APRIL 2010****SUBJECT: PAPER II: DISEASES OF THE ANTERIOR SEGMENT AND ADNEXA,
SQUINT AND PAEDIATRIC OPHTHALMOLOGY**

Tuesday, April 06, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Discuss techniques for conservation of tear film in dry eye syndrome.
2. Discuss indications and complications of Ahmed glaucoma valve.
3. Discuss contact lens fitting in a case of Keratoconus.
4. Briefly discuss clinical features and management of trachoma.
5. Describe Bielschowsky head tilt test.
6. Discuss clinical features and management of congenital nasolacrimal duct obstruction.
7. Enumerate the modalities of treatment for refractive correction of myopia, discuss clear lens extraction.
8. Describe histopathology of squamous cell carcinoma of the eyelid.
9. Briefly discuss basic principles of excimer laser refractive procedures.
10. Discuss clinical features and management of non-refractive accommodative esotropia.

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MANIPAL UNIVERSITY**MS (OPHTHALMOLOGY) DEGREE EXAMINATION – APRIL 2010****SUBJECT: PAPER III: POSTERIOR SEGMENT, ORBIT AND OPHTHALMIC SURGERIES**

Wednesday, April 07, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Discuss causes, clinical features and management of retinal dialysis.
2. Discuss principles in management of orbital tumours.
3. Briefly discuss causes of intermittent proptosis.
4. Discuss management of acute post-operative endophthalmitis.
5. Enumerate and discuss in brief uses of Ultrasound Biomicroscopy.
6. Discuss indications for prophylaxis of retinal detachment.
7. Describe technique and indications for hang back recession of lateral rectus muscle.
8. Briefly discuss clinical features, diagnosis and treatment of Tolsa-Hunt Syndrome.
9. Discuss uses of Perfluorodecaline (C10F18).
10. Discuss advantages of non-mydratic fundus camera.

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MANIPAL UNIVERSITY

MS (OPHTHALMOLOGY) DEGREE EXAMINATION – APRIL 2010

SUBJECT: PAPER IV: SYSTEMIC OPHTHALMOLOGY, COMMUNITY
OPHTHALMOLOGY, NEURO-OPHTHALMOLOGY AND RECENT ADVANCES

Thursday, April 08, 2010

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Write a note on fungal infections of the eye.
2. Write in detail about endolaser in posterior segment surgeries in the eye.
3. Compare and contrast fundus picture in optic neuritis and papilloedema.
4. Write a brief account of genetics in retinoblastoma.
5. Discuss the recent advances in the treatment of diabetic maculopathy.
6. Write about the effects of vitamin A deficiency in the eye. Discuss the community programmes associated with vitamin A prophylaxis.
7. Briefly outline the ocular hypertension treatment study.
8. How will you manage a 40 yrs old industrial worker who presents within an hour, with a history of fall of lye (sodium hydroxide) in his eyes?
9. Describe the ocular manifestations of AIDS.
10. Discuss the use of automated perimetry in intracranial lesions.



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