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MANIPAL UNIVERSITY

MS (OPHTHALMOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER I: APPLIED BASIC SCIENCES

Monday, April 02, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions. Each question carries TEN marks.

1. Discuss the principles of Nd YAG laser and its uses in Ophthalmology.
2. Discuss factors maintaining corneal transparency.
3. Discuss the principle of applanation tonometry.
4. Discuss Blue on Yellow perimetry.
5. Discuss Anatomy of Orbital apex.
6. Discuss the principle of Optical Coherence Tomography (OCT).
7. Discuss Specular microscopy and its application.
8. Discuss Indocyanine Green Angiography.
9. Discuss Prostaglandin analogues.
10. Discuss Marcus Gunn pupil.



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MANIPAL UNIVERSITY

MS (OPHTHALMOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER II: DISEASES OF THE ANTERIOR SEGMENT AND ADNEXA,
SQUINT AND PAEDIATRIC OPHTHALMOLOGY

Tuesday, April 03, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions. Each question carries TEN marks.

1. Discuss Hyphaema and its management.
2. Discuss Blow out fracture of Orbit.
3. A 5 yrs old patient presents with alternating convergent squint of 20°. Discuss its management.
4. A 2 yr old child presents with white reflex in the pupil. Mention differential diagnosis and discuss the management of any one of the causes.
5. Discuss Iridectomy.
6. Discuss management of epiphora in a 9 months old child.
7. Discuss causes and management of Anterior Staphyloma.
8. Discuss Argon Laser Trabeculoplasty.
9. Discuss subluxated lens.
10. Discuss vernal kerato conjunctivitis.



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MANIPAL UNIVERSITY

MS (OPHTHALMOLOGY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER III: POSTERIOR SEGMENT, ORBIT AND OPHTHALMIC SURGERIES

Wednesday, April 04, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions. Each question carries TEN marks.

1. Write in brief about pneumoretinopexy.
2. Write a note on the classification, stages and fundus picture in hypertensive retinopathy.
3. A 60 yrs old male presents with an unilateral, painless vitreous haemorrhage. Discuss the etiology and management of the condition.
4. Give a brief outline on the various methods of diagnosis and localization of an intraocular foreign body. How will you manage a non-metallic IOFB in the vitreous?
5. Describe in detail a macular hole and its management.
6. What are the methods and intra operative complications of phacoemulsification?
7. Discuss LASIK in the treatment of myopia.
8. What are the indications and contra- indications for dacryocysto rhinostomy? Describe in detail the operative procedure of DCR.
9. Write a brief note on proliferative diabetic retinopathy.
10. Enumerate the causes of blepharoptosis. How will you manage a case of congenital ptosis?



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MANIPAL UNIVERSITY

MS (OPHTHALMOLOGY) DEGREE EXAMINATION – APRIL 2012

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

Thursday, April 05, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions. Each question carries TEN marks.

1. Discuss Micro Phacoemulsification.
2. Discuss Disc damage likelihood scale (DDLS) and its application in glaucoma screening.
3. Discuss newer modalities of treatment of macular oedema of various etiologies.
4. Discuss Phakic contact lenses.
5. Discuss management of retinoblastoma stage I.
6. Discuss Deep Anterior lamellar keratoplasty.
7. Discuss disadvantages of LASIK.
8. Discuss the newer diagnostic tests used in orbital diseases.
9. Discuss the management of venous occlusion in the eye.
10. Anti VEGF and its uses in Ophthalmology.

