

Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL UNIVERSITY

MS (OPHTHALMOLOGY) DEGREE EXAMINATION – APRIL 2009

SUBJECT: PAPER I: APPLIED BASIC SCIENCES

Wednesday, April 01, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Each question carries TEN marks.

1. Describe the anatomy of the iris and its functions. Add a note on common congenital iris abnormalities.
2. Draw and label the layers of retina. Describe anatomy of the macula.
3. Describe extraocular muscles and their actions.
4. Describe precorneal tear film. Explain the pathogenesis of dry eye.
5. Define visual acuity. How do you assess it in children?
6. Describe pathology of Retinoblastoma. Add a note on Retinoblastoma Gene.
7. Explain the principles of Retinoscopy. What are methods used for subjective verification of refraction.
8. Classify antiglaucoma drugs. Discuss mechanism of action, advantages and side effects of latanoprost.
9. Discuss viscoelastic substances and their role in ophthalmic practice.
10. Discuss various methods of corneal storage. Add a note on graft rejection.



MANIPAL UNIVERSITY

MS (OPHTHALMOLOGY) DEGREE EXAMINATION – APRIL 2009

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

Thursday, April 02, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Each question carries TEN marks.

1. Discuss the differential diagnosis of a nodule at the limbus and its management.
2. Write a note on the uses of prisms in ophthalmology.
3. A 30 year old male presents with anterior uveitis. His intraocular pressure is 28mm of Hg. Discuss the diagnosis and management.
4. Outline the visual field defects occurring in an open angle glaucoma and the various methods of documenting the same.
5. Write a note on the peripheral marginal degenerations of the cornea.
6. Discuss the various methods of preservation of donor cornea. What are the indications and contra-indications of penetrating keratoplasty?
7. A 4 year old female child presents with a convergent squint. Discuss the diagnosis and management.
8. Enumerate the causes of rubeosis iridis. Write a note on etiology and management of neovascular glaucoma.
9. Write a note on pleomorphic adenoma of the lacrimal gland.
10. Discuss the various methods of evaluation of dry eye syndrome.



MS (OPHTHALMOLOGY) DEGREE EXAMINATION – APRIL 2009

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

Friday, April 03, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✂ Answer ALL the questions.

✂ Each question carries TEN marks.

1. A 50 year old patient has acute unilateral proptosis. Discuss the aetiology.
2. Describe the fundus picture of Central Retinal Vein Occlusion. How do you treat it?
3. How do you investigate a child with Leukocoria?
4. Discuss surgical strategy for moderate congenital ptosis.
5. What are the Fundus picture and FFA changes seen in age related macular degeneration? How do you treat juxtafoveal CNV membrane?
6. Discuss differential diagnosis of Lebers Hereditary Optic Atrophy.
7. Discuss surgical management of cicatricial ectropion.
8. What is the principle of parsplana vitrectomy? Mention the indications for vitrectomy.
9. Describe the fundus in CMV retinitis. What is the clinical implication and how do you treat it?
10. Mention indication for surgery in POAG. Outline the steps of Trabeculectomy. How do you manage a failed bleb?



MANIPAL UNIVERSITY**MS (OPHTHALMOLOGY) DEGREE EXAMINATION – APRIL 2009****SUBJECT: PAPER IV: SYSTEMIC OPHTHALMOLOGY, COMMUNITY
OPHTHALMOLOGY, NEURO-OPHTHALMOLOGY AND RECENT ADVANCES**

Saturday, April 04, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Write short note on hemangioma.
2. What is femtosecond laser? Discuss its application in ophthalmology.
3. Describe tubercular lesions of cornea briefly.
4. Describe your own plan to eliminate the cataract backlog in your home state.
5. Write a short note on homonymous hemianopia.
6. What is Leber's optic atrophy?
7. Write short note on Vitamin A prophylaxis in a community.
8. Write short note on treatment of migraine.
9. Write short note on OCT.
10. Write short note on phakic IOL.

