

MANIPAL UNIVERSITY**PG DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2017****SUBJECT: PAPER I: BASIC SCIENCES RELATED TO OPHTHALMOLOGY**

Monday, April 03, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ **Answer ALL the questions.**
- ✍ **Draw neat and labelled diagram wherever necessary.**

✍ **Essay Questions:**

1. Describe the anatomy of the angle of the anterior chamber. Add a note on the congenital ectropion uveae. (15 marks)

2. Describe the anatomy of superior oblique muscle. Add a note on Brown's syndrome. (15 marks)

3. **Short answer questions:**

- 3A. Explain the factors maintaining corneal transparency
- 3B. Draw a neat labelled diagram of light reflex pathway. Add a note on drugs acting on the pupil
- 3C. Discuss the factors maintaining normal retinal adherence
- 3D. Discuss the theories of accommodation
- 3E. Define Myopia. Discuss the features of pathological myopia with the help of a diagram
- 3F. Discuss the anterior segment manifestation of Gram positive coccal infection
- 3G. Discuss in brief the anti-fungal agents used in ophthalmology
- 3H. Describe the layers of tear film
- 3I. Write briefly on VEP (Visual Evoked Potential)
- 3J. Discuss the ocular conditions associated with type I hypersensitivity reaction

(7 marks × 10 = 70 marks)



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

MANIPAL UNIVERSITY

PG DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2017

SUBJECT: PAPER II: CLINICAL OPHTHALMOLOGY

Tuesday, April 04, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay questions:**

1. Mention causes of allergic conjunctivitis. Describe clinical features and treatment of Spring catarrh.

(15 marks)

2. Explain the pathogenesis of primary narrow angle glaucoma. How do you treat an angle closure glaucoma?

(15 marks)

3. **Short answer questions:**

3A. Discuss management of epiphora in a 9 month old child

3B. How do you investigate a case of unilateral nongranulomatous uveitis?

3C. What is Ectopialentis? How do you manage the case?

3D. What is the principle of UBM? Explain its utility. (Ultra sound biomicroscopy)

3E. What is an accommodative squint? What are its characteristics? How do you manage it?

3F. What is the principle of retinoscopy? How is it applied in practice?

3G. What are the recent advances in Lamellar keratoplasty technics?

3H. Write short note on: i) Heterochromic cyclitis ii) Peter's Anomaly

3I. Discuss hyphaema and management

3J. What are Foldable IOLs? Describe the different types with advantages and disadvantages.

(7 marks × 10 = 70 marks)



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

MANIPAL UNIVERSITY

PG DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2017

SUBJECT: PAPER III: PRINCIPLES AND PRACTICE OF SURGERY OF EYE AND RELATED TOPICS

Wednesday, April 05, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essays Questions:**

1. How do you evaluate a case of ptosis? Discuss briefly the management of congenital ptosis.
(15 marks)
2. Discuss keratorefractive surgeries.
(15 marks)

3. **Short answer questions:**

- 3A. Describe the role of OCT in Macular disorders.
- 3B. What are the causes of subluxated lens? What is the treatment with recent advances in mind?
- 3C. What are Anti VEGF agents and their role in ophthalmology?
- 3D. Write briefly on: i) Iridodialysis repair ii) Brown's Syndrome
- 3E. How do you treat a case of Acute angle closure Glaucoma?
- 3F. Write briefly on: i) Aspheric IOL ii) Capsular tension rings
- 3G. What is the role of amniotic membrane in chemical burns? How do you use it?
- 3H. What is keratoconus? What are the current trends in the management?
- 3I. Discuss lateral orbitotomy with reference to indication and complications.
- 3J. Explain various means of weakening an extraocular muscle in squint correction.
(7 marks × 10 = 70 marks)

