

MANIPAL UNIVERSITY**PG DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2016****SUBJECT: PAPER I: BASIC SCIENCES RELATED TO OPHTHALMOLOGY**

Monday, April 18, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw neat and labelled diagram wherever necessary.**

✍ **Essay:**

1. Describe in detail anatomy of visual pathway. Add a note on its blood supply.

(15 marks)

2. Discuss factors maintaining corneal transparency.

(15 marks)

3. **Short answers:**

3A. Discuss Cycloplegic refraction

3B. Classify Immunosuppressive agents and briefly mention uses in ophthalmology

3C. Discuss the anatomy of human crystalline lens. Add a note on its embryological development

3D. Discuss management of a new born child with watering and discharge

3E. Discuss principles of Optical Coherence Tomography (OCT) and its uses

3F. Discuss non contact Tonometers

3G. Discuss bevacizumab and its clinical use

3H. Discuss Sturm's conoid

3I. Discuss newer Antiglaucoma drugs

3J. Discuss Anatomy of Cavernous sinus

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**PG DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2016****SUBJECT: PAPER II: CLINICAL OPHTHALMOLOGY**

Tuesday, April 19, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw neat and labelled diagram wherever necessary.**

✍ **Essay questions:**

1. Discuss the etiopathogenesis, clinical features and management of central serous chorioretinopathy.

(15 marks)

2. Discuss the clinical features and management of acute primary angle closure glaucoma.

(15 marks)

3. **Write short answers:**

3A. Discuss the clinical features and management of exposure keratitis

3B. Describe the clinical features and management of retrobulbar neuritis

3C. Discuss the causes and management of giant papillary conjunctivitis

3D. Discuss the differences between granulomatous and non-granulomatous uveitis

3E. Classify diabetic retinopathy. Define clinically significant macular edema

3F. Describe the posterior segment manifestations of blunt trauma

3G. Discuss the clinical features and management of squamous blepharitis

3H. Discuss in brief about ERG (electroretinogram)

3I. Discuss in brief about asteroid hyalosis

3J. Discuss in brief about low visual aids used for distant vision

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**PG DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2016****SUBJECT: PAPER III: PRINCIPLES AND PRACTICE OF SURGERY OF EYE AND RELATED TOPICS**

Wednesday, April 20, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw neat and labelled diagram wherever necessary.**

1. Describe the pathology, clinical features and treatment of a case of thyroid orbitopathy.

(15 marks)

2. Describe national program for control of blindness.

(15 marks)

3. **Short answer questions:**

3A. Classify and discuss newer methods of vitrectomy.

3B. Clinical features, differential diagnosis and management of acute postoperative endophthalmitis.

3C. Discuss preoperative evaluation of a cataract case.

3D. Management of rhegmatogenous retinal detachment.

3E. Mention indications for Toric IOL. Write about its advantages and disadvantages.

3F. Enumerate the causes of corneal graft failure and discuss their management.

3G. Discuss surgical management of congenital esotropia.

3H. Discuss uses of Mitomycin-C in Ophthalmology. Add a note on its side effects.

3I. How do you prevent pseudophakic bullous keratopathy?

3J. Clinical features of papilledema.

(7 marks × 10 = 70 marks)

