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MANIPAL UNIVERSITY

PG DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2014

SUBJECT: PAPER I: BASIC SCIENCES RELATED TO OPHTHALMOLOGY

Tuesday, April 01, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions. Each question carries TEN marks.

✍ Draw neat and labeled diagrams wherever necessary.

✍ Write short notes on:

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1. The visual pathway with the help of a diagram
2. Electroretinogram (ERG)
3. Polymerase Chain reaction
4. Uses of prisms in Ophthalmology
5. Histopathology of retinoblastoma
6. Prostaglandins in glaucoma
7. Adenovirus
8. Blood aqueous barrier
9. Superior orbital fissure
10. Schirmer's test



MANIPAL UNIVERSITY

PG DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2014

SUBJECT: PAPER II: CLINICAL OPHTHALMOLOGY

Wednesday, April 02, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ Answer ALL questions. Each question carries TEN marks.
✍ Draw neat and labeled diagrams wherever necessary.

1. What are the causes of Cicatrizing Conjunctivitis? How do you treat Trachoma?
2. What is the mechanism of angle closure glaucoma? How do you treat Acute angle closure glaucoma?
3. What is ectopia lentis? How do you manage a case?
4. Write short notes on:
 - 4A. Siderosis Bulbi
 - 4B. Heterochromic cyclitis
5. Discuss different types of Foldable IOLs with merits and demerits.
6. What is accommodative squint? Describe its clinical features and treatment.
7. What is the principle of retinoscopy and its practice?
8. What are recent advances in lamellar keratoplasty?
9. How do you investigate for recurrent unilateral iridocyclitis? How do you manage a complicated cataract?
10. Describe different gonioscopes and techniques used in assessment of angle of anterior chamber.

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MANIPAL UNIVERSITY**PG DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2014****SUBJECT: PAPER III: PRINCIPLES AND PRACTICE OF SURGERY OF EYE AND RELATED TOPICS**

Thursday, April 03, 2014

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

✍ **Draw neat and labeled diagrams wherever necessary.**

1. Discuss clinical features and management of Basal Cell Carcinoma of the lids.
2. Write a note on Photodynamic therapy.
3. Discuss the etiology and management of Vitreous Haemorrhage.
4. **Write a short note on:**
 - 4A. Ranibizumab
 - 4B. Choroideraemia
5. Clinical features and management of AION.
6. What are the effects of radiation on the eye?
7. Discuss the management of Choroidal Melanoma without extraocular extension.
8. Discuss posterior segment lesions in HIV.
9. How will you investigate a case of suspected intraocular foreign body?
10. Map out an innovative strategy to tackle the problems of Vitamin A deficiency in North India.

