

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

## MANIPAL UNIVERSITY

### DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2012

#### SUBJECT: PAPER I: BASIC SCIENCES RELATED TO OPHTHALMOLOGY

Monday, April 02, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

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

1. Discuss the anatomy of the optic chiasma. Add a note on visual field defects associated with chiasmal lesions.
2. Discuss the factors influencing the corneal transparency.
3. Discuss the embryology of the human crystalline lens.
4. Discuss the use of immunosuppressives in ophthalmology.
5. Discuss the theories of colour vision.
6. Discuss the use of anticholinergics in ophthalmology.
7. Discuss the genetics of primary open angle glaucoma.
8. Describe the tests for binocular vision.
9. Describe the life cycle of *Toxoplasma Gondii*. Add a note on diagnostic tests for *T.Gondii*.
10. Discuss the antifungal drugs used in ophthalmology.



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

## MANIPAL UNIVERSITY

### DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2012

#### SUBJECT: PAPER II: CLINICAL OPHTHALMOLOGY

Tuesday, April 03, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

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

1. Discuss the uses of prisms in ophthalmology.
2. Discuss the clinical features and management of infantile esotropia.
3. Discuss the surgical modalities to correct astigmatism.
4. Discuss the clinical features and management of ocular surface squamous neoplasia.
5. Discuss secondary glaucoma due to raised episcleral venous pressure.
6. Discuss in brief multifocal IOLs.
7. Discuss the ocular manifestations of Behcet's disease.
8. Write briefly on:
  - 8A. Confocal scanning in the diagnosis of corneal diseases.
  - 8B. OCT in the diagnosis of glaucoma.
9. Discuss different types of lamellar keratoplasty.
10. Discuss the causes of limbal stem cell deficiency. Add a note on management of the same.



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

## MANIPAL UNIVERSITY

### DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2012

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

Wednesday, April 04, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

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

1. Discuss the factors predisposing to retinal detachment.
2. Discuss thyroid ophthalmopathy.
3. Discuss the management of diabetic macular oedema. Add a note on investigations to diagnose macular oedema.
4. Discuss the management of contracted socket.
5. Discuss the ocular manifestations of giant cell arteritis. Add a note on management.
6. Discuss the clinical features and management of idiopathic intracranial hypertension.
7. Discuss the use of perfluorocarbon liquids in ophthalmology.
8. Discuss the ocular manifestations of mucopolysaccharidosis.
9. Discuss the etiology and management of senile ectropion.
10. Discuss the clinical features and management of wet ARMD.

