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MANIPAL UNIVERSITY

DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2008

SUBJECT: PAPER I: APPLIED BASIC SCIENCES RELATED TO THE SPECIALITY

Tuesday, April 01, 2008

Time: 3 hours

Max. Marks: 100

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- ✍ **Answer ALL the questions.**
 - ✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**
 - ✍ **Each question carries 10 marks**

1. Discuss in brief the anatomy of Surgical limbus and its applied aspects.
2. Write a short note on photochemistry of vision.
3. Discuss the factors influencing intraocular pressure. Add a note on C-value.
4. Write a note on biochemistry of lens proteins and its importance in cataractogenesis.
5. Discuss briefly genetics of retinoblastoma. Add a note on histopathology of retinoblastoma.
6. Write short notes on Trichromatic theory and Tests for colour vision.
7. What is AC/A ratio? What is its importance? Discuss briefly methods of measuring AC/A ratio.
8. Write a short note on light near dissociation and its etiology.
9. Discuss Tear substitutes.
10. Write a short note on microbiology of Acanthamoeba and ocular diseases caused by it.

MANIPAL UNIVERSITY**DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2008****SUBJECT: PAPER II: OPHTHALMIC MEDICINE AND SURGERY-DISEASES OF ANTERIOR SEGMENT OF EYE AND REFRACTION AND SQUINT**

Wednesday, April 02, 2008

Time: 3 hours

Max. Marks: 100

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- ✍ Answer ALL the questions.**
 - ✍ Write answers that are brief, clear, relevant and legible.**
 - ✍ Illustrate your answers with diagrams, flow charts wherever appropriate.**

1. Describe the classification, clinical features and management of “Vernal keratoconjunctivitis”.
2. Explain in brief the differential diagnoses of peripheral corneal ulcers.
3. What are the stages of Angle closure glaucoma? How do you manage an acute attack of angle closure glaucoma?
4. Describe Duane’s Retraction syndrome.
5. Describe different types of congenital cataracts. Explain the management of a one year old child with unilateral cataract.
6. Discuss the development of binocular single vision. Write briefly on tests for binocular single vision.
7. Define and classify astigmatism. How do you manage astigmatism? Explain “Sturm’s conoid”.
8. Discuss the pathogenesis and management of “Sympathetic Ophthalmitis”.
9. Explain in brief “Ghost cell glaucoma”.
10. Discuss surgical filtration procedures in treatment of Glaucoma.

(10×10 = 100 marks)

MANIPAL UNIVERSITY

DIPLOMA IN OPHTHALMOLOGY (D.O.) EXAMINATION – APRIL 2008

SUBJECT: PAPER III: OPHTHALMIC MEDICINE AND SURGERY-DISEASES OF POSTERIOR SEGMENT OF EYE, ADNEXA AND OPHTHALMOLOGY WITH RELATION TO GENERAL MEDICINE

Thursday, April 03, 2008

Time: 3 hours

Max. Marks: 100

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- ✍ Answer ALL the questions.
✍ Draw neat labeled diagrams wherever necessary.

1. Discuss etiology, clinical features and treatment of central serous retinopathy.
2. Define papilloedema. Discuss the causes, pathogenesis, clinical features and differential diagnosis of papilloedema.
3. Discuss the etiology, clinical features and management of Behcets disease.
4. Describe the clinical features and management of Orbital pseudotumour.
5. What are the causes of watering from the eye? Discuss the evaluation of a case of watering from the eye. Add a note on dacrocystorhinostomy.
6. Discuss the etiology, clinical features and management of acute bacterial endophthalmitis.
7. Discuss the etiology, clinical features and management of cavernous sinus thrombosis.
8. Discuss the causes of blepharotosis and discuss its surgical management.
9. Define phakomatosis. Explain in brief Neurofibromatosis.
10. Discuss the etiology, clinical features, ocular manifestations, diagnosis and management of multiple sclerosis

(10×10 =100 marks)