

POST-GRADUATE DIPLOMA EXAMINATION – FEBRUARY 2024

Time: 3 Hours

Max. Marks: 100

DIPLOMA IN OPHTHALMOLOGY (D.O)

PAPER – I

Q.P. Code: 1311

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

SHORT ESSAY QUESTIONS :

Marks: 10 X 10 = 100

1. Enumerate and discuss the neuroprotectors used in ophthalmology.
2. Describe the principle of Gonioscopy. Add note on types of gonioscopy with examples.
3. Describe the visual cycle in the eye.
4. Describe the anatomy of the orbital apex. Add a note on its applied anatomy.
5. Describe the optics of indirect ophthalmoscopy.
6. Describe the anatomy and blood supply of the visual pathway.
7. Describe the anatomy and actions of extraocular muscles. Differentiate between synergists and yoke muscle with an example.
8. Describe strums conoid.
9. Discuss the opponent theory of colour vision.
10. Describe histopathology of rhabdomyosarcoma.

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DIPLOMA IN OPHTHALMOLOGY (D.O.)

PAPER – II

Q.P. Code: 1312

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

SHORT ESSAY QUESTIONS :

Marks: 10 X 10 = 100

1. Discuss the systemic associations, clinical features, differential diagnosis and management of nonspecific orbital inflammation.
2. Discuss various methods of calculation of intraocular lens power calculation.
3. Describe the fundus picture of retinitis pigmentosa. Add a note on syndromic associations of Retinitis pigmentosa.
4. Describe the pathogenesis, clinical features and management of pseudoexfoliation syndrome.
5. Describe the clinical features and management of sympathetic ophthalmitis.
6. Discuss clinical features and management of keratoconus.
7. Describe the ocular manifestations of herpes zoster ophthalmicus.
8. What are the risk factors for the development of Retinopathy of prematurity? Describe the clinical features of Retinopathy of prematurity. Add a note on its screening protocol.
9. Describe the effects of blunt trauma. Add a note on its management.
10. Discuss the work up of a case of epiphora.

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**DIPLOMA IN OPHTHALMOLOGY (D.O.)
PAPER – III**

Q.P. Code: 1313

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

SHORT ESSAY QUESTIONS:

Marks: 10 X 10 = 100

1. Describe the various surgical procedures for correction of senile entropion.
2. Describe the role and applications of wide-angle viewing systems for vitrectomy.
3. Describe the role of biologic drugs in the treatment of non-infectious uveitis.
4. Discuss the post-operative complications of keratoplasty. Add a note on its management.
5. Discuss school health programs for control of blindness.
6. Discuss the principles of squint surgery. Add a note on adjustable sutures in squint surgery.
7. Discuss the indication of Pan retinal photocoagulation and anti-VEGFs (Vascular endothelial growth factor) in managing Diabetic retinopathy.
8. Describe the pathogenesis, clinical features, investigations, prognostication factors and management of full thickness macular hole.
9. Describe the various etiological factors and clinical features of horizontal gaze abnormalities.
10. Role of anti-VEGF in retinopathy of prematurity (ROP) management.
