

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A Deemed to be University)

Post Graduate Examination January 2025

Time: 180 Minutes

Max Marks: 100 Marks

Ophthalmology Paper I

QP CODE: P3101

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

10X10=100

1. Discuss the anatomy (microscopic inclusive) of photoreceptors. Add a note on the Light reaction.
2. Describe the life cycle of *Toxoplasma gondii*. Discuss management of ocular Toxoplasmosis.
3. Discuss the role of Immune modulators in Ophthalmology.
4. Describe the anatomy of sixth cranial nerve and clinical manifestations of sixth nerve palsy.
5. Discuss Duane's retraction syndrome.
6. Describe the anatomy of lacrimal apparatus. What is the blood supply?
7. Discuss the different types of anaesthesia used in ocular surgeries.
8. Discuss the management of unilateral aphakia. Describe briefly the disadvantages of Aphakic spectacles.
9. Describe the histopathology of malignant melanoma of choroid. Add a note on diagnostic challenges.
10. Discuss the role of OCT in retinal diseases, diagnosis and management.

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Ophthalmology Paper II
QP CODE: P3102

Your answer should be specific to the question asked
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10X10=100

1. Discuss the clinical applications of a) Rose Bengal dye, b) Fluorescein dye
2. Describe aetiopathogenesis, clinical features, complications and management of anterior scleritis.
3. Discuss peripheral ulcerative keratitis.
4. Describe the investigations and management of Anterior uveitis.
5. Discuss the types, principles, indications and procedure of Orbital decompression.
6. Discuss the indications & types of Tarsorrhaphy. Add a note on the Orbicularis oculi muscle.
7. Discuss the management of Lid tumours.
8. Discuss management of congenital dacryocystitis.
9. Classify corneal dystrophy and discuss epithelial dystrophies.
10. Discuss the management of a case of dry eye.

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Ophthalmology Paper III

QP CODE: P3103

Your answer should be specific to the question asked

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1. Discuss principles and indications of various Antiglaucoma surgeries
2. Discuss the advances in Phaco emulsification surgery.
3. Discuss Nd YAG Capsulotomy.
4. Describe the etiopathogenesis, clinical features and management of diabetic retinopathy.
5. Discuss 3 important Peripheral retinal degenerations & their clinical significance
6. Discuss the etio pathogenesis, clinical features & management of Anterior ischaemic optic neuropathy.
7. Discuss Horizontal gaze palsy.
8. Describe etiopathogenesis, clinical features and management of Normal tension glaucoma.
9. Describe Macular function tests and their clinical significance. Add a note on anatomical speciality of the fovea.
10. Classify and mention the uses of capsular tension rings.

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Ophthalmology Paper IV

QP CODE: P3104

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

10X10=100

1. Discuss strategies & implementation of Vision 2020.
2. Discuss the Ocular manifestations of Bechet's Disease & its management.
3. Discuss Thyroid Related Orbitopathy.
4. Discuss the changing trends in Optical coherence tomography.
5. Classify Ocular trauma. Describe the effects of perforating and penetrating injuries of the eye.
6. Discuss the management of retained intraocular foreign body.
7. Discuss the technique of probing for congenital nasolacrimal duct obstruction. Add a note on management of an infant with watering eye.
8. Discuss the differential diagnosis of leucocoria, add a note on genetic inheritance of any one.
9. Describe the aetiology, clinical features and management of congenital cataract.
10. Discuss the role of CT scan versus MRI as a diagnostic tool in Ophthalmology.