Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination - 07-May-2022

[Time: 3 Hours] **[Max. Marks: 100]**

OPHTHALMOLOGY
PAPER I (RS-2/RS-3)
Q.P. CODE: 8241

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Discuss the development of crystalline lens. Add a note on congenital anomalies of the lens.
2. Discuss the theories of accommodation.
3. Discuss the anatomy of superior orbital fissure.
4. Discuss microbiology of the fungi involving the cornea.
5. Carbonic anhydrase inhibitors in ophthalmology.
6. Reduced eye.
7. Tests for stereo acuity.
8. Discuss the histopathology of malignant melanoma of the choroid.
9. Wald's cycle.
10. Sclera contact lenses.

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M.S. Degree Examination – 09-May-2022

Time: Three Hours **Max. Marks: 100 Marks**

OPHTHALMOLOGY - PAPER – II
(RS-2/RS-3)
Q.P. CODE: 8242

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions **10 x 10 = 100 Marks**

1. Discuss the clinical features and management of Diffuse lamellar Keratitis.
2. Discuss the clinical features and management of Sympathetic opthalmitis.
3. Discuss the surgical options to correct Myopia.
4. Discuss Descemet stripping endothelial keratoplasty.
5. Discuss the various methods of storing donor cornea.
6. Discuss Brown's syndrome.
7. Discuss the etiology, clinical features management of scleritis.
8. Discuss amniotic membrane grafting in ophthalmology.
9. Discuss presumed ocular Histoplasmosis syndrome.
10. Discuss vernal conjunctivitis. Add a note on the management.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination – 11-May-2022

Time: Three Hours **Max. Marks: 100 Marks**

OPHTHALMOLOGY – PAPER – III
(RS-2/RS-3)
Q.P. CODE: 8243

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions **10 x 10 = 100 Marks**

1. Discuss the clinical features and management of Ocular Myasthenia Gravis.
2. Discuss the orbital spaces. Add note on surgical approaches to the orbital spaces.
3. Discuss the differential diagnosis of unilateral disc oedema in a 30 year old patient.
4. Argyll Robertson pupil.
5. Discuss the management of senile entropion of the lid.
6. Discuss the management of congenital dacryocystitis.
7. Discuss intraocular retinoblastoma classification system.
8. Discuss rhino-orbital mucormycosis.
9. Discuss Foster Kennedy syndrome.
10. Discuss orbital implants.

M.S. Degree Examination - 13-May-2022

[Time: 3 Hours] **[Max. Marks: 100]**

OPHTHALMOLOGY
PAPER – IV - (RS-2/RS-3)
Q.P. CODE: 8244

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Describe the recent advances in management and treatment of Glaucoma.
2. What are the various lamellar corneal surgeries? What are their advantages over conventional surgery?
3. What is SMILE? How is it better than LASIK?
4. Classify Viscoelastics used in Opthalmology? What are the precautions taken while doing cataract surgery in compromised Cornea?
5. Classify and briefly describe Anti-VEGFs.
6. Describe process, variations and indications of Collagen Cross Linking in Ophthalmology.
7. Enumerate various implant drainage devices in glaucoma surgery and describe indications and adverse effects of Ahmed Glaucoma valve surgery.
8. Discuss management of astigmatism at the time of cataract surgery by Phacoemulsification.
9. What are the recent advances made in Vitreo Retinal surgeries?
10. Discuss the role of Biological agents in management of Uveitis.

Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination - 15-Nov-2022

[Time: 3 Hours] **[Max. Marks: 100]**

OPHTHALMOLOGY
PAPER I (RS-2/RS-3)
Q.P. CODE: 8241

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. What is Limbus and its surgical importance? Explain the relationship of Limbus in repair of cornea.
2. Describe management options for a 60-year old patient suffering from age related mascular degeneration with visual activity of 3/60 in both eyes.
3. Discuss visual cycle in detail.
4. Describe the mechanism of action, technique and complications of selective laser Trabeculoplasty (SLT) and what are its advantages over Argon Laser Trabeculoplasty (ALT)?
5. Describe the anatomy and development of crystalline lens and zonules. Enumerate congenital anomalies of lens.
6. Describe salient features of the various dyes use in ophthalmology. Give their indications and complications.
7. Describe in detail the clinical uses of prisms in Opthalmology. What are Fresnel prisms and mention one important application of these types of prisms?
8. Discuss electrophysiological basis of Electroretinography (ERG) and Electro-Oculography (EOG) and what are the clinical applications of ERG and EOG?
9. Describe briefly anatomy of cornea and its clinical significance. What are the different types of dystrophies of the cornea with respect to its anatomy?
10. What is amblyopia? Explain the concept of critical period in development of vision. Outline the principles of treating strabismus amblyopia.

M.S. Degree Examination – 17-Nov-2022

Time: Three Hours **Max. Marks: 100 Marks**

OPHTHALMOLOGY - PAPER – II
(RS-2/RS-3)
Q.P. CODE: 8242

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions **10 x 10 = 100 Marks**

1. Interstitial keratitis.
2. Systemic association of uveitis.
3. Duane’s Retraction Syndrome.
4. Ophthalmia neonatorum.
5. Discuss Vernal Kerato Conjunctivitis.
6. Discuss necrotizing scleritis.
7. Mooren’s ulcer.
8. Describe methods to prevent recurrence in pterygium.
9. Amblyopia.
10. Management of acute iridocyclitis.

Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination – 19-Nov-2022

Time: Three Hours **Max. Marks: 100 Marks**

OPHTHALMOLOGY – PAPER – III
(RS-2/RS-3)
Q.P. CODE: 8243

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions **10 x 10 = 100 Marks**

1. Congenital blepharoptosis.
2. Argyll Robertson pupil.
3. Describe the visual pathway with the help of a labelled diagram.
4. Blow out fracture of orbit.
5. Congenital dacryocystitis.
6. Anterior Ischaemic Optic Neuropathy.
7. Management of retinoblastoma.
8. Thyroid eye disease.
9. Uses of amniotic membrane in Ophthalmology.
10. Orbital cellulitis.

M.S. Degree Examination - 21-Nov-2022

[Time: 3 Hours] **[Max. Marks: 100]**

OPHTHALMOLOGY
PAPER – IV - (RS-2/RS-3)
Q.P. CODE: 8244

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Describe the various techniques of Perimetry. What is SWAP?
2. Discuss the comparative role of UBM and anterior segment OCT in various ocular disorders.
3. What are the various phakic IOLs? Describe indications, contraindications and complications of phakic IOLs.
4. What are the principles of management of bacterial keratitis not responding to topical medications?
5. What is the role of intraocular corticosteroids in retinal vein occlusions? Discuss the findings of SCORE and Posurdex trial in venous occlusions.
6. Describe various modalities of management of limbal stem cell deficiency.
7. Discuss the indications, advantages and disadvantages of internal limiting membrane (ILM) peeling in vitreoretinal surgery.
8. Principles of Femto Assisted Cataract Surgery (FLACS). Describe the advantages and disadvantages of FLACS.
9. Discuss the role of Botulinum Toxin in Ophthalmology.
10. Briefly explain optics of Scheimpflug imaging of the cornea and basics of how to interpret the findings of Pentacam images.