Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination - 02-Jan-2025

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 blood supply to the uvea
2. Discuss the ocular rigidity
3. Discuss the modes of inheritance pattern in ophthalmology
4. Describe the anti helminthic drugs used in ophthalmology
5. Describe the drug delivery system in ophthalmology
6. Describe the pigment producing fungi
7. Discuss the laboratory tests for HIV
8. **Elaborate on the pathology of sympathetic ophthalmitis**
9. Discuss about the blood retinal barrier
10. Discuss the CD4 count, its practice in ophthalmology

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M.S. Degree Examination – 04-Jan-2025

Time: Three Hours Max. Marks: 100

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. Define retinoscopy. Advantages of streak retinoscopy and subjective verification of refraction
2. Define and classify amblyopia. Briefly discuss about the investigations and occlusion therapy
3. Briefly discuss about different types of corneal transplantation
4. MADRAS EYE
5. Mechanisms and the effects of contusion injury with closed globe
6. Clinical features and management of acute anterior uveitis
7. Immuno suppressive agents used in uveitis and ocular surface disorders
8. What is blow out fracture. Mechanism, clinical features, investigations and treatment
9. Differential diagnosis for nodules at the limbus and briefly discuss about them 8 Differential Diagnostic (8DD)
10. Sclerokeratitis and sclerosing keratitis

Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination – 06-Jan-2025

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 various methods to assess the disease activity in Thyroid orbitopathy.
2. Discuss tests to assess the level of the lesion in Horner's syndrome.
3. Discuss the management of unilateral cataract in a one year old child.
4. Discuss the clinical features and management of senile ectropion of the lid.
5. Discuss international retinoblastoma staging system.
6. Discuss the classification and management of superior oblique palsy.
7. Discuss the management of contracted socket.
8. **Discuss the clinical features and management of anterior ischemic Optic neuropathy (AION).**
9. Discuss the use of Botulinum toxin in ophthalmology.
10. Discuss the genetics of Aniridia.

M.S. Degree Examination - 08-Jan-2025

[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. Discuss the Multifocal Intraocular Lenses merits and demerits.
2. Discuss Calculation of Intra Ocular Lens power and add a note on advances in IOL
3. Etiopathogenesis and management of Age Related Macular Degeneration
4. Discuss the clinical features and management of Eale's disease.
5. Discuss the Causes of Corneal Blindness in a child.
6. What are the functions of Eye Bank? Describe the various methods of Corneal Preservation.
7. Prostaglandin Analogues and Prostamides in the treatment of Glaucoma
8. Discuss the Aetiopathogenesis and management of Central Retinal Vein occlusion.
9. Aetiopathogenesis and management of Cystoid Macular Oedema
10. Discuss the recent advances in the treatment of Proliferative Diabetic Retinopathy

Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination - 26-May-2025

[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 anatomy of optic chiasma with reference to its relations and its blood supply.
2. Discuss the stages of retinoscopy with appropriate diagrams.
3. Intravitreal injections
4. Functions of retinal pigment epithelium and its clinical implications in retinal diseases
5. Histopathology of retinoblastoma
6. Visual Evoked Potential (VEP)
7. Polymerase Chain Reaction in Ophthalmology
8. Jackson's cross cylinder
9. Discuss pathway of 6^{th} nerve palsy.
10. What is dynamic retinoscopy? Discuss in brief.

M.S. Degree Examination – 28-May-2025

Time: Three Hours Max. Marks: 100

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. Principles of Retinoscopy
2. Accommodative Esotropia
3. Keratoconus: Definition, clinical features and management
4. Sympathetic ophthalmia. Definition, aetiology, management and its prevention
5. Immuno suppressive agents in eye
6. Basic principles in the treatment of simple corneal ulcers
7. What are the causes of uniocular bitot's spot? How will you treat and prevent a case of xerophthalmia
8. Etiology, clinical features and treatment and prevention of alkali injury of the eye
9. What are DSEK and DMEK? Briefly discuss about indications and the surgical procedure
10. Acute catarrhal conjunctivitis (A.C.Co)

Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination – 30-May-2025

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 management of Epiphora in a six months old child.
2. Discuss the causes and management of Congenital Ptosis.
3. Discuss the various surgical approaches to Orbit.
4. How do you investigate a case of unilateral pulsating Proptosis?
5. How do you investigate and manage a case of sudden onset of Diplopia in 60 years old person?
6. Discuss the various Orbital Implants.
7. Discuss the Aetiopathogenesis and management of Senile Entropion.
8. Discuss the management of Dry Eye.
9. Discuss the Clinical features and management of Toxic Amblyopia.
10. Discuss the investigations and management of Optic Atrophy in young adult.

M.S. Degree Examination - 02-Jun-2025

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. **Discuss in detail about Trabeculectomy, per operative and post operative complications and how to prevent complications?**
2. Ocular manifestation of diabetes EXCEPT retinopathy. Mention studies associated with it
3. How will you arrange an eye camp at periphery and add a note on Tele-medicine
4. Hydrodynamics of Phaco
5. Bionics: Definition, Indications and Types
6. Amniotic membrane transplantation: Indications, properties of Amniotic membrane, harvesting and procedure
7. Briefly discuss the different types of optic atrophy: Types, pathology and clinical features
8. Define Blindness. How will you rehabilitate a 20 years old male blind person? (visually and socially)
9. Lens induced glaucoma : Causes, Types, Clinical features and treatment
10. Fundus changes in P.I.H (Pregnancy induced Hypertension) Pathology, Stages, Fundus findings and advice to the gynecologist

Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination - 24/Sep/2025

[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. Describe the anatomy of orbit. Describe the diagnosis and management of blow out fractures.
2. Discuss the mechanism of blood aqueous barrier. Describe about the drugs modifying intraocular pressure.
3. Discuss about corneal transparency write brief notes on lamellar keratoplasty.
4. Describe strum's Conoid and its applications.
5. Histopathology of retinoblastoma and its management.
6. Describe the laws governing the ocular motility. Write a note on Synkinetic movements
7. Describe the ocular infections caused by viruses and management of viral keratitis.
8. Describe the principles of applanation tonometry and its merits and demerits.
9. Discuss the applied anatomy of upper eyelid. Write about treatment of congential Ptosis.
10. Mention electrophysiological tests in Opthalomology and their interpretations.

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M.S. Degree Examination – 26/Sep/2025

Time: Three Hours Max. Marks: 100

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. Retinoscopy : Definition, types how do you do and how will you prescribe spectacles in two years old child?
2. Define squint. Evaluation and treatment of Concomitant squint
3. Interstitial keratitis: Aetiology, pathology, clinical features and management
4. Rigid gas permeable contact lens – indication advantage and disadvantage parameters for prescription and fitting
5. Scleritis: Define, Classify. Discuss the management of anterior necrotising scleritis
6. How do you differentiate endophthalmitis and Toxic Anterior Segment Syndrome (TASS) and How do you manage both conditions?
7. How do you differentiate conjunctival congestion and circum corneal congestion and it's clinical importance. Clinical features and management of Ophthalmia neonatorum?
8. Investigations for uveitis
9. Briefly Discuss : Maddox Rod, worth four dot test, cross cylinder, Duochrome test
10. Ptreygium : Definition, types, clinical features, Different type of treatment and How to prevent the recurrence?

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Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination – 29/Sep/2025

Time: Three Hours Max. Marks: 100

OPHTHALMOLOGY
PAPER – III
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. Describe the etiology, clinical features and management of ptosis
2. Describe the treatment of developmental cataract
3. Elaborate on minimally invasive glaucoma surgery
4. Discuss about the aphakic glaucoma
5. Describe the ocular manifestations of penetrating injury and their management
6. Elaborate on the neurophthalmic manifestations of intracranial tumors
7. Discuss about the types of optic atrophy and its management
8. Describe the various types of entropion and its management
9. Discuss about the evaluation of epiphora
10. Write about the pulsatile proptosis and its management

M.S. Degree Examination - 03/Oct/2025

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

OPHTHALMOLOGY
PAPER – IV
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. Viscoelastics: physical properties, classification, uses and side effects, Name some commonly used viscoelastics
2. Acute post operative endophthalmitis: differential diagnosis, clinical features and management
3. Eye banking: - define concepts. Discuss preservation of cornea and strategies to improve eye donation and add a note on recent advances in biosynthesis of cornea
4. Ocular manifestation of covid 19
5. Phacodynamics
6. Diagnosis and principle of R.R.D (rhegmatogenus retinal detachment) surgery
7. How will you counsel a 20 year old male with Retinitis pigmentosa (genetic counselling) and management?
8. Expand LASER. Mention its properties, classification, effects and uses in ophthalmology
9. Stages, clinical features and management of primary narrow angle glaucoma
10. Define blindness. Briefly discuss the types of blindness and its rehabilitation