Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination - 07-Jul-2023

[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. Draw and explain the anatomy of retina with a well labelled diagram.

2. Explain the optics of Indirect Ophthalmoscope. What are the differences between direct and indirect Ophthalmoscope?

3. What are the factors responsible for maintaining corneal transparency?

4. Describe the embryology and anatomy of a crystalline lens. What are the factors responsible for Cataractogenesis?

5. Describe the process of production and drainage of aqueous humour.

6. What is a LASER? Describe its properties and LASER tissues interactions.

7. What is Strum's Conoid? Explain different types of Astigmatism based on Strum's Conoid.

8. Describe the Genetics of Retinoblastoma. What are the various histopathological patterns found in Retinoblastoma?

9. Describe the factors affecting delivery of dugs inside the eye. Describe the techniques to improve the drug delivery inside the Eye?

10. Describe the techniques of measurement of Visual Acuity in children.

Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination – 10-Jul-2023

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. Briefly describe the ocular manifestations of syphilis.

2. Describe the clinical features, investigations and management of ocular sarcoidosis.

3. Discuss the indications of Vitrectomy in a patient with Longstanding Diabetes Mellitus. How will you deal with concurrent cataract?

4. Describe clinical features, pathology and treatment of vernal conjunctivitis. Also briefly enumerate the complications of VKC.

5. Discuss clinical features and diagnostic tests of ocular myasthenia gravis. Also provide important differential diagnosis of ocular myasthenia gravis.

6. Discuss the molecular genetics, clinical features, tests of visual functions in typical retinitis pigmentosa.

7. Discuss causes, clinical features, special investigations and management in a case of Sjogren syndrome.

8. Describe the ocular side effect of systemically administered drugs.

9. Describe the etiopathogenesis, clinical features, investigation and management of central retinal vein occlusion.

10. What are the ocular changes in pregnancy induced hypertension?

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Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination – 12-Jul-2023

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. Describe the evaluation and the management of senile ectropion.

2. Describe the etiology, clinical features, differential diagnosis and management of subluxated cataractous lens.

3. Orbital implants in Ophthalmology.

4. Describe the clinical features, differential and management of a case of Steven Johnson's syndrome.

5. Discuss the management options in a case of traumatic hyphema.

6. Discuss the approach to a patient who presented with sudden decrease in vision associated with pain and redness after Phacoemulsification.

7. Discuss the natural history of a corneal ulcer. What are the management options of its complications?

8. Describe the clinical features and management of a case of Mooren's Ulcer.

9. Describe the etiopathogenesis, clinical features, investigation and management of central retinal artery occlusion.

10. Discuss clinical features, investigations, treatment and prognosis in a case of CMV retinitis.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination - 14-Jul-2023

[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 Haemorrhagic Occlusive Retinal Vasculitis (HORV).
2. Discuss the stages of macular hole. Add a note on management.
3. Discuss non-penetrating glaucoma surgeries.
4. Discuss newer antiglaucoma drugs.
5. Discuss the syndromes associated with retinitis pigmentosa.
6. Discuss ocular manifestations of Behcet's syndrome.
7. Discuss intraocular drug delivery.
8. Discuss retinopathy of prematurity (ROP). Add a note on management of ROP.
9. Discuss the management of subluxated lens.
10. Discuss laser Trabeculoplasty.

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M.S. Degree Examination - 16-Dec-2023

[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 cavernous sinus.
2. Discuss the theories of colour vision.
3. Discuss the factors influencing the corneal transparency.
4. Discuss binocular single vision.
5. Discuss the uses of prisms in ophthalmology.
6. Optics of indirect opthalmoscope.
7. Discuss the development of angle of the anterior chamber.
8. Discuss beta blockers in ophthalmology.
9. Discuss genetics of retinoblastoma.
10. Discuss immune mediated corneal lesions.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination – 18-Dec-2023

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. Discus the management of Keratoconus.
2. Discuss Sturm's conoid and correction of Astigmatism.
3. Discuss clinical features and management of Posterior scleritis.
4. Discuss syphilitic uveitis.
5. Discuss clinical features and management of Mooren's ulcer.
6. Discuss the various surgical options to correct Presbyopia.
7. Discuss the clinical features and management of Pythium Keratitis.
8. Discuss Duane's retraction syndrome.
9. Discuss topical therapy in the management of Ocular surface squamous neoplasia.
10. Discuss ocular manifestations of Sarcoidosis.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination – 20-Dec-2023

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. Describe the evaluation and the management of congenital ptosis.

2. Describe the etiology, clinical features, differential diagnosis and management of congenital nasolacrimal duct obstruction.

3. What is pure and impure Blow-out fracture? Describe mechanism, clinical features, investigations and management of Blow-out fracture.

4. Give different classification of chemical injuries of eye with their prognostic significance. Give basic outline in the management of chemical injury in acute and late reparative phase.

5. Discuss the management options in a case of perforated corneal ulcer.

6. What is the management of a case of congenital cataract? How is it different from adult cases?

7. What are various lens induced Glaucomas? Describe their management.

8. Describe the clinical features and management of case of intermediate uveitis.

9. Describe the etiopathogenesis, clinical features, investigations and management of central retinal vein occlusion.

10. Describe the cause of Hyper fluorescence and blocked fluorescence in Fluorescein Angiography and what are the Fluorescein Angiography features in a case of CSR.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination - 22-Dec-2023

[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. Classify various refractive surgeries. How do we work up a case for refractive surgery?
2. Describe the various techniques of endothelial keratoplasty.
3. What is the principle of optical coherence Tomography? What are the types of OCTs available? What are the diagnostic and therapeutic issues of OCT in management of macular pathology?
4. Discuss the role of genetics/Gene therapy in Ophthalmology.
5. what is VEGF-Trap? What are its advantages over other Anti-VEGF drugs?
6. Describe the recent advances in management of Retinoblastoma.
7. Describe various surgical difficulties encountered when doing a Phacoemulsification in a small pupil. How do you manage a case of non-dilating pupil for Phacoemulsification?
8. Discuss non surgical and surgical approaching to management of presbyopia.
9. What is Bionic Eye? What are the principles of its working and enumerate its indications?
10. Describe MARINA and FOCUS Trails in the management of Wet ARMD.

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