

Rajiv Gandhi University of Health Sciences

Question Papers of MS (Ophthalmology)

2006-2011



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M.S. (OPHTHALMOLOGY) DEGREE EXAMINATION

Time: 3 Hours

[Max. Marks : 100]

PAPER – I

QP Code: 8241

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Answer all questions

LONG ESSAYS

2 X 20 = 40 Marks

1. Discuss the mechanism of colour vision.
2. Give an illustrated account of the visual pathways.

SHORT ESSAYS

6 X 10 = 60 Marks

3. Describe the optics of auto-refractometer in brief with the help of diagram
4. Describe the anatomy of superior orbital fissure
5. Discuss in brief the blood aqueous barrier with diagram
6. Write short note on zonules
7. Give an illustrated account of Strum's conoid
8. Discuss in short about the corneal endothelial pump

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M.S. (OPHTHALMOLOGY) DEGREE EXAMINATION

Time: 3 Hours

[Max. Marks : 100]

PAPER – II

QP Code: 8242

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

LONG ESSAYS

2 X 20 = 40 Marks

1. Describe the inheritance pattern and clinic features of stromal dystrophes of the cornea and the principles and techniques of keratoplasty in these conditions
2. Describe the aetiology signs symptoms and treatment of trachoma

SHORT ESSAYS

6 X 10 = 60 Marks

3. Behcet's disease
4. Astigmatism
5. Scleromalacia perforans
6. Microtropia
7. Anisometropic amblyopia
8. Sympathetic Ophthalmia

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M.S. (OPHTHALMOLOGY) DEGREE EXAMINATION

Time: 3 Hours

[Max. Marks : 100]

PAPER – III

QP Code: 8243

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

LONG ESSAYS

2 X 20 = 40 Marks

1. Discuss the differential diagnosis of leukocoria in children.
2. Describe the clinical features and management of giant cell arteritis.

SHORT ESSAYS

6 X 10 = 60 Marks

3. Craniopharyngioma
4. Traumatic optic neuropathy
5. Sturge weber syndrome
6. Congenital nasolacrimal duct obstruction
7. Aberrant third nerve
8. Corneal topography

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M.S. (OPHTHALMOLOGY) DEGREE EXAMINATION

Time: 3 Hours

[Max. Marks : 100]

PAPER – IV

QP Code: 8244

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

LONG ESSAYS

2 X 20 = 40 Marks

1. Discuss the pathogenesis ocular manifestations, diagnosis and treatment of myasthenia gravis.
2. Describe the pathogenesis of visual field defects in open angle glaucoma, and their relevance in diagnosis and management

SHORT ESSAYS

6 X 10 = 60 Marks

3. Apoptosis
4. Phaco trabeculectomy
5. Clinically significant macular edema
6. Angioid streaks
7. Behcet's syndrome
8. Complicated cataract

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Rajiv Gandhi University of Health Sciences

M.S. DEGREE EXAMINATION

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER I

QP Code: 8241

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

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the anatomy and relations of the cavernous sinus. What is its clinical importance?
2. Discuss the pathology of malignant melanoma of the uvea and its clinical significance.

SHORT ESSAY

6 X 10 = 60 Marks

3. Optics of contact lens
4. Laboratory diagnosis of trachoma
5. Fixation reflexes
6. Corneal endothelium
7. Color vision tests
8. Argyll Robertson pupil

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Rajiv Gandhi University of Health Sciences

M.S. DEGREE EXAMINATION

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER II

QP Code: 8242

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

LONG ESSAY

2 X 20 = 40 Marks

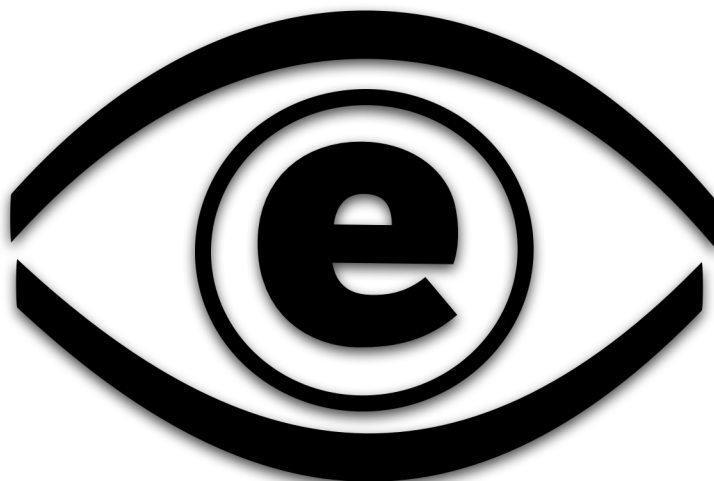
1. Describe myopia in detail and its surgical management.
2. Define amblyopia. Describe the management of amblyopia.

SHORT ESSAY

6 X 10 = 60 Marks

3. Sympathetic ophthalmitis
4. Posterior staphyloma
5. Fuch's corneal dystrophy
6. Ophthalmia neonatorum
7. Pterygium
8. Symblepharon

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Rajiv Gandhi University of Health Sciences

M.S. DEGREE EXAMINATION

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER III

QP Code: 8243

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

LONG ESSAY

2 X 20 = 40 Marks

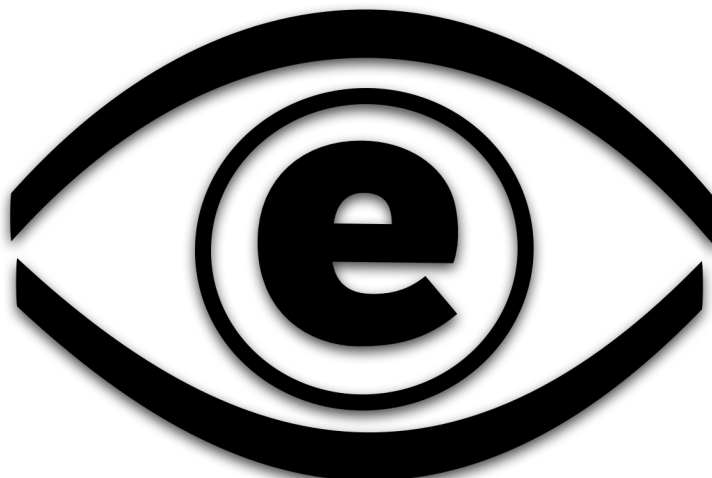
1. Classify dacryocystitis. Discuss the management of a case of congenital dacryocystitis.
2. Discuss the pathogenesis, ocular manifestations, diagnosis and treatment of myasthenia gravis.

SHORT ESSAY

6 X 10 = 60 Marks

3. Orbital Echography
4. Blow out fracture
5. Temporal arteritis
6. Orbital cellulitis
7. Benign essential blepharospasm
8. Kuhnt-Zymanowski procedure

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Rajiv Gandhi University of Health Sciences

M.S. DEGREE EXAMINATION

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER IV

QP Code: 8244

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

LONG ESSAY

2 X 20 = 40 Marks

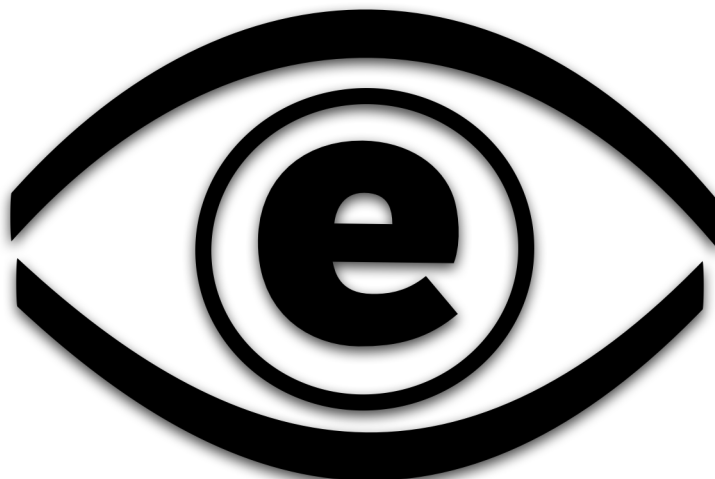
1. Discuss the ocular manifestations of acquired immune deficiency syndrome (AIDS).
2. Discuss the diagnosis and management of postoperative endophthalmitis.

SHORT ESSAY

6 X 10 = 60 Marks

3. Supra choroidal hemorrhage
4. Mitomycin – C
5. Glaucoma screening
6. Early diagnosis of open angle glaucoma
7. Paraneoplastic syndrome
8. Perfluoropropane

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M.S. Degree Examination – April / May 2007

Time: 3 Hours

[Max. Marks : 100]

OPHTHALMOLOGY
PAPER – I

QP Code: 8241

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

LONG ESSAYS

2 X 20 = 40 Marks

1. Describe the macroscopic and biomicroscopic anatomy of angle of anterior chamber.
2. Describe the theories of colour vision. Describe the merits and demerits of various tests for detection of colour vision defects.

SHORT ESSAYS

6 X 10 = 60 Marks

3. Describe in brief the histopathology of sympathetic ophthalmitis
4. Describe the optical principles of keratometry. What are its uses?
5. Write short notes on graft failure and graft rejection
6. Describe the uses of 5 fluorouracil in ophthalmology
7. Describe the optics of contact lens. Describe indications for their use
8. How do you calculate power of intraocular lens? Describe various methods of doing it

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M.S. Degree Examination – April / May 2007

Time: 3 Hours

[Max. Marks : 100]

OPHTHALMOLOGY

PAPER – II

QP Code: 8242

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

LONG ESSAYS

2 X 20 = 40 Marks

1. Classify uveitis and discuss the clinical features and management of anterior uveitis
2. Discuss the management of concomitant convergent squint in a 3 years old child

SHORT ESSAYS

6 X 10 = 60 Marks

3. Cicatricial Pempigoid
4. Herpes simplex viral keratitis
5. Anterior necrotizing scleritis
6. Correction of myopia
7. Vernal keratoconjunctivitis
8. Pachymetry

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Rajiv Gandhi University of Health Sciences, Karnataka

M.S. Degree Examination – April / May 2007

Time: 3 Hours

[Max. Marks : 100]

OPHTHALMOLOGY

PAPER – III

QP Code: 8243

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Answer all questions

LONG ESSAYS

2 X 20 = 40 Marks

1. Describe the clinical findings in 3rd cranial nerve paralysis at different levels
2. Describe the ocular manifestations of thyroid disease and discuss the management of proptosis due to thyroid

SHORT ESSAYS

6 X 10 = 60 Marks

3. Crouzon syndrome
4. Pseudo papilloedema
5. Entropion
6. Lester Jones tube
7. Schirmer's test
8. Ectopia lentis

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination – April / May 2007

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER IV

QP Code: 8244

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

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the role of LASER in the treatment of glaucoma.
2. Discuss phacoemulsification.

SHORT ESSAY

6 X 10 = 60 Marks

3. IOL in children
4. Ocular manifestations of Behcet's disease
5. Artificial tear substitutes
6. Neuroprotectors in glaucoma
7. School health programme for control of blindness
8. Merits and demerits of eye camp surgery

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M.S. Degree Examination - September 2007

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER I

QP Code : 8241

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

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the etiopathogenesis of senile cataract.
2. Discuss the papillary anomalies with regard to light pathway.

SHORT ESSAY

6 X 10 = 60 Marks

3. Write in short about the Wald's cycle
4. Write in short about small pupil ophthalmoscopy
5. Write in brief about the photoreceptors
6. Give a brief account of formation of aqueous humor
7. Draw a labeled diagram of the relations of cavernous sinus
8. Describe in short about the factors responsible for maintenance of corneal transparency

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M.S. Degree Examination - September 2007

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER II

QP Code : 8242

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

LONG ESSAY

2 X 20 = 40 Marks

1. Define myopia. Describe various types of myopia and discuss various modalities of corrections of the main refractive error.
2. Describe the ocular lesions found in sarcoidosis. Discuss the differential diagnosis and management of sarcoidosis of eye.

SHORT ESSAY

6 X 10 = 60 Marks

3. Fuch's hetero chromatic iridocyclitis
4. Duane's syndrome
5. Posterior scleritis
6. Keratitis in rheumatoid arthritis
7. Adjustable sutures squint surgery
8. Superior limbic kerato conjunctivis

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - September 2007

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER III

QP Code : 8243

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

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the etiology, clinical features and management of dysthyroid ophthalmopathy.
2. Describe the etiology, clinical features and management of ocular myasthenia.

SHORT ESSAY

6 X 10 = 60 Marks

3. Pseudotumour cerebri
4. Traumatic optic neuropathy
5. Blow out fracture of orbit
6. Ophthalmic manifestations of pituitary tumors
7. Ocular cysticercosis
8. Horner's syndrome

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - September 2007

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER IV

QP Code : 8244

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

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss in detail about angle closure glaucoma and its management.
2. Classify retinal detachment. Write in detail about its management.

SHORT ESSAY

6 X 10 = 60 Marks

3. Management of dropped nucleus
4. Management of retinal vein occlusion
5. Leber hereditary optic neuropathy
6. Diabetic retinopathy
7. Write short note on the mechanism of action of local anaesthetic agents. What are the various routes? What are the complications of peribulbar anaesthesia
8. Organization of eye camps

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - April 2008

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER I

Q.P. CODE : 8241

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

LONG ESSAY

2 X 20 = 40 Marks

1. Describe the blood supply of optic nerve head giving diagrams
2. Describe retinal adaptation to dark and light

SHORT ESSAY

6 X 10 = 60 Marks

3. Contrast sensitivity
4. Applanation tonometry
5. Pathology of corneal ulcer
6. Prisms in ophthalmology
7. Jackson's cross cylinder
8. Lacrimal gland tumours

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - April 2008

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER II

Q.P. CODE: 8242

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

LONG ESSAY

2 X 20 = 40 Marks

1. Classify corneal degenerations give their clinical features and treatment
2. Describe the etiology and clinical features of heterophoria. How will you investigate and treat it?

SHORT ESSAY

6 X 10 = 60 Marks

3. Post operative end ophthalmitis
4. Chemical burns of eye
5. Presbyopia
6. Convergence insufficiency
7. V.K.H. syndrome
8. Mooren's ulcer

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - April 2008

[Time: 3 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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Describe the etiology and management of dry eye
2. Discuss the etiopathogenesis, clinical picture and differential diagnosis of papilloedema

SHORT ESSAY

6 X 10 = 60 Marks

3. Cavernous sinus thrombosis
4. Congenital anomalies of lens
5. Nystagmas
6. Essential blepharospasm
7. Magnetic resonance imaging
8. Afferent papillary defects

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - April 2008

[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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Describe the pathogenesis, clinical picture and management of primary open angle glaucoma
2. Describe retinopathy of pre-maturity

SHORT ESSAY

6 X 10 = 60 Marks

3. Metabolic cataract
4. Management of diabetic retinopathy
5. Vitreous substitutes
6. Eye banking
7. Phakont
8. Photodynamic therapy

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - October 2008

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER I

Q.P. CODE : 8241

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

LONG ESSAY

2 X 20 = 40 Marks

1. Describe the anatomy of uvea
2. Describe theories of colour vision, various methods of detection of colour blindness and types of colour blindness

SHORT ESSAY

6 X 10 = 60 Marks

3. Accommodation
4. Sturm's conoid
5. Pathogenesis of cataract
6. Gonioscopic appearance of anterior chamber angle
7. Amsler grid
8. Optic nerve tumours – classification and diagnostic features

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - October 2008

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER II

Q.P. CODE: 8242

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

LONG ESSAY

2 X 20 = 40 Marks

1. Describe the etiopathogenesis, clinical picture, diagnosis and management of fungal keratitis
2. Describe amblyopia

SHORT ESSAY

6 X 10 = 60 Marks

3. A.I.D.S in eye
4. Management of regular astigmatism
5. Investigations for uveitis
6. Penetrating keratoplasty
7. Cysts of iris
8. Diplopia charting

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - October 2008

[Time: 3 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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Describe the clinical picture and management of endocrinal exophthalmos
2. Describe anterior ischemic optic neuropathy

SHORT ESSAY

6 X 10 = 60 Marks

3. Congenital Ptosis
4. Nasolacrimal ductobstruction
5. Management of paediatric aphakia
6. Horner syndrome
7. Sixth nerve palsy
8. Tear film

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - October 2008

[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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Describe etiology, clinical picture and management of central retinal vein thrombosis
2. Discuss advances in cataract surgery

SHORT ESSAY

6 X 10 = 60 Marks

3. Laser photocoagulation
4. Lens induced glaucoma
5. Cystoid macular oedema
6. Electro oculography
7. Pars plana vitrectomy
8. Neuroprotective antiglaucoma drugs

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Rajiv Gandhi University of Health Sciences
M.S. Degree Examination - May 2009

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER I

Q.P. CODE : 8241

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

LONG ESSAY

2 X 20 = 40 Marks

1. Draw labeled diagram of the longitudinal section of the upper eyelid. Discuss the anatomy of levator palpebrae superioris
2. Discuss the blood supply of optic nerve (Draw Diagram)

SHORT ESSAY

6 X 10 = 60 Marks

3. Anatomy of the angle of the anterior chamber (Draw Diagram)
4. Precorneal tear film
5. Tonometry
6. Superior orbital fissure
7. Accommodation
8. Biochemical changes in cataractous lens

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Rajiv Gandhi University of Health Sciences
M.S. Degree Examination - May 2009

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER II

Q.P. CODE: 8242

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

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the pathology, clinical features and management of malignant melanoma of choroid
2. Discuss the theories and anomalies of accommodation

SHORT ESSAY

6 X 10 = 60 Marks

3. Posterior scleritis
4. Uses of botulinum toxin in ophthalmology
5. Duane's retraction syndrome
6. Fuch's heterochromic iridocyclitis
7. Band shaped keratopathy
8. Specular microscopy

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - May 2009

[Time: 3 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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the causes and clinical features of papilloedema
2. Discuss the etiopathogenesis and management of congenital dacryocystitis

SHORT ESSAY

6 X 10 = 60 Marks

3. Discuss the types and management of blepharophimosis syndrome
4. Discuss in brief about visual evoked potential
5. Describe the surgical correction of senile ectropion
6. Discuss the management of retained intraocular foreign body
7. Enumerate the indications and basic steps of enucleations
8. Write in short about endoscopic DCR

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Rajiv Gandhi University of Health Sciences
M.S. Degree Examination - May 2009

[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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Describe and discuss the management of postoperative endophthalmitis
2. Discuss the optical rehabilitation of paediatric aphakia

SHORT ESSAY

6 X 10 = 60 Marks

3. Discuss the methods of low vision aids
4. Outline the features of ocular cysticercosis
5. Write a short note on foldable intraocular lenses
6. Write a short note on pneumatic retinopexy
7. Write a short note on therapeutic contact lens
8. Discuss the investigations for glaucoma

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - May 2010

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER I

Q.P. CODE : 8241

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

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the uses of slit lamp in examining the fundus
2. describe the principles of retinoscopy

SHORT ESSAY

6 X 10 = 60 Marks

3. Cross cylinder
4. Anatomy of the inferior oblique
5. Histopathology of sympathetic ophthalmitis
6. TRIC agent
7. Latanoprost
8. Dark adaptation

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - May 2010

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER II

Q.P. CODE: 8242

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

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the pathogenesis, clinical features, types and management of amblyopia
2. Discuss corneal refractive surgery

SHORT ESSAY

6 X 10 = 60 Marks

3. Mooren's ulcer
4. Extended wear contact lenses
5. Convergence insufficiency
6. Fuch's endothelial dystrophy
7. Choroidal hemangioma
8. Adjustable sutures in squint surgery

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination – May 2010

[Time: 3 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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Blow out fractures and their management
2. Tumours of the lacrimal gland and their management

SHORT ESSAY

6 X 10 = 60 Marks

3. Ptosis
4. Chiasmal lesions
5. Zonular cataract
6. Buphthalmos
7. Dissociated vertical deviation
8. Epicanthus

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination – May 2010

[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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the risk factors, clinical picture and management of retinopathy of prematurity
2. Discuss the causes and management of SRNVM

SHORT ESSAY

6 X 10 = 60 Marks

3. Write a short note on neovascular glaucoma
4. Write a short note on the role of antimetabolic agents in glaucoma surgery
5. Outline the features and management of retinoschisis
6. Write a short note on photic ocular injury
7. Describe causes of subluxation of Lens
8. Discuss in brief the strategies to control blindness in India

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - October 2010

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER I

Q.P. CODE : 8241

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

LONG ESSAY

2 X 20 = 40 Marks

1. Give an account of anatomy of the macula and macular functions
2. Describe the blood aqueous barrier. Discuss the formation and circulation of aqueous humour with special reference to various drugs acting on it

SHORT ESSAY

6 X 10 = 60 Marks

3. Angle of anterior chamber
4. Pupillary reflexes
5. Hypersensitivity in Eye
6. Maddox Rod
7. HLA B27 antigen
8. Fitting of soft toric contact lenses

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M.S. Degree Examination - October 2010

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER II

Q.P. CODE: 8242

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

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the aetiopathogenesis and management of Neurotrophic Corneal Ulcers
2. Enumerate the causes of corneal graft failure and discuss their management

SHORT ESSAY

6 X 10 = 60 Marks

3. Describe ocular manifestations of AIDS
4. Write in brief about Duane's retraction syndrome
5. Outline the surgical management of myopia
6. Discuss in brief the clinical features and management of herpes zoster ophthalmicus
7. Write a short note on LASEK
8. Discuss the line of management of a case of anterior uveitis

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M.S. Degree Examination – October 2010

[Time: 3 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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Describe the etiology, signs and symptoms and investigations of unilateral proptosis
2. Classify optic atrophy. Describe ophthalmoscopic features of each

SHORT ESSAY

6 X 10 = 60 Marks

3. Eale's disease
4. D/D of leuco coria
5. Toxic amblyopia
6. Ectropion
7. Migraine
8. Pilocarpine

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - October 2010

[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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Write a note on the ocular aspects of hypertension with special reference to pregnancy induced hypertension
2. Discuss closed angle glaucoma and the modalities available for its management

SHORT ESSAY

6 X 10 = 60 Marks

3. IOL in Children-Special Considerations
4. Pseudo exfoliation Syndrome
5. Ocular side effects of anti tubercular drugs
6. Describe intraoperative and postoperative methods to reduce posterior capsule opacifications
7. Discuss management of dropped nucleus
8. Visco elastic in IOL Implant surgery – types and uses

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - May 2011

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER I

Q.P. CODE : 8241

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

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the mechanisms of accommodation of the eye. Describe the various methods of assessment of the anomalies of accommodation
2. Describe the orbital spaces, with their significances in investigations and salient disorders

SHORT ESSAY

6 X 10 = 60 Marks

3. Electro oculogram
4. Human immuno deficiency virus
5. Vitreous substitutes
6. Histopathology of Retinoblastoma
7. Cross – cylinders
8. Anti metabolites

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - May 2011

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER II

Q.P. CODE: 8242

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

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the aetiopathogenesis, clinical features, types and management of Myopia.
2. Discuss various corneal dystrophies.

SHORT ESSAY

6 X 10 = 60 Marks

3. Accommodative Esotropia.
4. Vernal conjunctivitis.
5. Bandage Contact Lens.
6. Features of granulomatous uveitis.
7. Surgical management of Astigmatism.
8. A/V phenomenon.

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination – May 2011

[Time: 3 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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss aetiopathogenesis and management of unilateral Proptosis.
2. Discuss the investigations of a case of Epiphora.

SHORT ESSAY

6 X 10 = 60 Marks

3. Hardeolum Externum.
4. Ocular signs of pituitary tumours.
5. Assessment of visual acuity in pre-school children.
6. Meibomian carcinoma.
7. Nystagmus.
8. Traumatic ptosis.

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - May 2011

[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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Evaluate strategies to reduce childhood blindness in the vision 2020 programme
2. Correlate the management of malignant glaucoma to its pathogenesis

SHORT ESSAY

6 X 10 = 60 Marks

3. CRVO changing trends in management
4. Safe cataract surgery in diabetes
5. POAG- factors that help decide target intra ocular Pressure
6. Management of vitreous Haemorrhage
7. Uses of Botulinum Toxin in ophthalmology
8. Macular Hole – causes, diagnosis and management

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - Nov 2011

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER I

Q.P. CODE : 8241

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

LONG ESSAY

2 X 20 = 40 Marks

1. What is dark adaptation? Describe the molecular events that underlie this process
2. Describe the structure and function of the ciliary body

SHORT ESSAY

6 X 10 = 60 Marks

3. Histology of the Macula
4. Vascular changes in diabetic retinopathy
5. Anti fungal drugs
6. Metabolism of vitreous
7. Duochrome test
8. Maddox rod test

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - Nov 2011

[Time: 3 Hours]

[Max. Marks: 100]

OPHTHALMOLOGY

PAPER II

Q.P. CODE: 8242

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

LONG ESSAY

2 X 20 = 40 Marks

1. Give an account of the major causes for corneal graft failure. what is the immunological basis of transplant rejection
2. A patient has horizontal diplopia maximal on looking to the right. Discuss the management

SHORT ESSAY

6 X 10 = 60 Marks

3. Acanthamoeba keratitis
4. Limbal dermoids
5. Masquerade syndrome
6. Scleritis. Give its classification and causes
7. Investigation of posterior Uveitis
8. Stem cell transplantation

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - Nov 2011

[Time: 3 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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the differential diagnosis and management of unilateral ptosis
2. Discuss juvenile systemic disorders affecting the eye

SHORT ESSAY

6 X 10 = 60 Marks

3. Describe endonasal DCR – advantages and limitations
4. Give an account of orbital cellulitis and its management
5. Caroticocavernous fistula
6. Management of Ectropion Lower lid
7. Discuss the management of facial nerve palsy
8. Discuss the investigation and management of proptosis in an adult

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Rajiv Gandhi University of Health Sciences

M.S. Degree Examination - Nov 2011

[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 questions

LONG ESSAY

2 X 20 = 40 Marks

1. Discuss the recent advances in the management of Age Related Macular Degeneration
2. Discuss the recent advances in the investigations and treatment of primary open angle glaucoma

SHORT ESSAY

6 X 10 = 60 Marks

3. Intravitreal injections in diabetic retinopathy
4. Steven – Johnson syndrome
5. Non – retinal ocular manifestations of Diabetes Mellitus
6. Magnitude of Bilndness in India and strategies for its control
7. Genetics in Retinitis Pigmentosa
8. Management of subluxated cataract

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