

RANGANA : SUMMER 2016

SUBJECT : PAPER-I – ANATOMY, PHYSIOLOGY, OPTICS AND BASIC SCIENCES

Day : Wednesday
Date : 01-06-2016

Time : 2.00 P.M. To 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

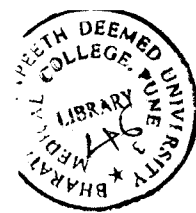
Q.1 Describe the medial wall of the orbit and its clinical importance. (15)

Q.2 Describe the anatomy of the macula and discuss its applied importance. (15)

Q.3 Attempt any **SEVEN** of the following: (70)

- a) Describe the intrinsic muscles of the eye and their neural control.
- b) Discuss factors maintaining corneal transparency.
- c) Mention dyes used in ophthalmology. Describe phases in FFA.
- d) Describe the principles of gonioscopy. Write a note on type of goniolenses.
- e) Draw diagrams of the vascular supply of the ONH. Mention its significance in papilledema.
- f) Discuss the theories of colour vision. Write a note on colour blindness.
- g) Describe the Meibomium glands. Write briefly on lipid layer of tear film.
- h) Draw diagram of schematic eye. Describe optics of aphakia.

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RANGANA : SUMMER 2016
SUBJECT : PAPER-II – OPHTHALMIC MEDICINE AND SURGERY

Day : **Friday**
Date : **03-06-2016**

Time : **2:00 P.M. To 5:00 P.M.**
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

Q.1 Give the differential diagnosis of leukocoria. Describe the pathology, clinical features and management of congenital cataract. **(15)**

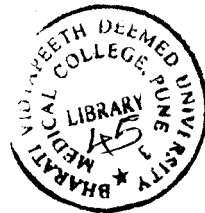
Q.2 Describe etiopathogenesis and management of NVG. **(15)**

Q.3 Attempt any **SEVEN** of the following: **(70)**

- a) Write a note on fungal corneal ulcer.
- b) Discuss the uses of amniotic membrane in ophthalmology.
- c) Discuss the PEX syndrome.
- d) Discuss the clinical features and management of CRAO.
- e) Discuss the various modalities of management of DME.
- f) Discuss orbital implants.
- g) Write a note on ERG.
- h) Discuss the vitreous substitutes.

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RANGANA : SUMMER 2016
SUBJECT : PAPER-III – OPHTHALMOLOGY IN MEDICINE AND GENERAL
SURGERY AND RECENT ADVANCES



Day : **Monday**
Date : **06-06-2016**

Time : **2.00 P.M. To 5.00 P.M.**
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

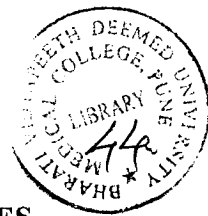
Q.1 Discuss HIV in the eye. Briefly mention management of ocular toxoplasmosis. (15)

Q.2 Classify optic atrophy. Discuss the etiology, clinical features and management of toxic OA. (15)

Q.3 Attempt any **SEVEN** of the following: (70)

- a) Write a note on INTACS.
- b) Write a note on Aflibercept.
- c) Discuss the femtosecond laser.
- d) Discuss the ocular manifestation of M.gravis.
- e) Discuss Steven Johnson Syndrome.
- f) Write a note on VKH.
- g) Discuss the newer management of retinoblastoma.
- h) Discuss immunotherapy for Uveits.

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RANGANA : WINTER - 2015

SUBJECT : PAPER-I – ANATOMY, PHYSIOLOGY, OPTICS AND BASIC SCIENCES

Day : Wednesday
Date : 02/12/2015

Time : 2.00 P.M. TO 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

Q.1 Describe applied anatomy of 6th cranial nerve. Discuss clinical features, aetiology (15)
and management of 6th nerve palsy.

Q.2 Describe anatomy of visual pathway. Enumerate visual field defect associated with (15)
lesions of different sites along visual pathway.

Q.3 Attempt any **SEVEN** of the following: (70)

- a) Write a note on Mitomycin – C.
- b) Low Vision Aids.
- c) Worth four dot test.
- d) Discuss optics of indirect ophthalmoscopy.
- e) Discuss amblyopia. Discuss management of amblyopia in a 5 years old child.
- f) Write a note on pathological myopia.
- g) Discuss theories of colour vision and write note on colour blindness.
- h) Contrast and compare ICG vs FFA.

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RANGANA : WINTER - 2015
SUBJECT : PAPER-II – OPHTHALMIC MEDICINE AND SURGERY

Day : Friday
Date : 04/12/2015

Time : 2.00 P.M. TO 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

Q.1 Discuss the etiopathogenesis, clinical features and management of a case of (15)
Retinopathy of Prematurity.

Q.2 Define primary open angle glaucoma. How will you evaluate and manage a case of (15)
open angle glaucoma in a 65 year old man?

Q.3 Attempt any **SEVEN** of the following: (70)

- a) Assessment of the lacrimal out flow system.
- b) Discuss the management of vitreous haemorrhage.
- c) Describe fungal corneal ulcer and add a note on its management.
- d) Discuss briefly the surgical management of retinal detachment.
- e) Differential diagnosis of nodules on the iris.
- f) Discuss pathophysiology and clinical features of blunt trauma to eyeball.
- g) Describe approach to case of congenital esotropia.
- h) Discuss clinical features and management of failed bleb.

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RANGANA : WINTER - 2015
SUBJECT : PAPER-III – OPHTHALMOLOGY IN MEDICINE AND GENERAL SURGERY AND RECENT ADVANCES

Day : Monday
Date : 07/12/2015

Time : 2.00 P.M. TO 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

Q.1 Discuss the current trends in management of POAG. **(15)**

Q.2 Discuss selection of patient, workup and advantages and disadvantages of multifocal IOLs. **(15)**

Q.3 Attempt any **SEVEN** of the following: **(70)**

- a) Write briefly on blow-out feature of the orbit.
- b) Write a note on recent advances in the management of Macular edema.
- c) Role of District Blindness Control Society (DBCS).
- d) Clinical features of diabetic retinopathy.
- e) Write a note on VKH syndrome.
- f) Describe the ocular manifestations of AIDS.
- g) Give clinical features and diagnosis of keratoconus. Mention current modalities of management.
- h) Mention stages of ROP. Add a note on APROP.

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RANGANA : SUMMER 2015
SUBJECT : PAPER-I – ANATOMY, PHYSIOLOGY, OPTICS AND BASIC SCIENCES

Day : Monday
Date : 1/6/2015

Time : 2.00 P.M. TO 5.00 P.M
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

Q.1 Describe the development anatomy and composition of the vitreous. Discuss the various vitreous substitutes. (15)

Q.2 Describe the anatomy of the angle of the anterior chamber of the eye. Write a note on the lenses used in visualizing the angle. (15)

Q.3 Attempt any **SEVEN** of the following: (70)

- a) Write a note on Types of IOLs. Discuss their use in a case of aniridia.
- b) Describe the Oculomotor nerve.
- c) Describe the anatomy and Blood supply of the optic nerve head.
- d) Discuss visual acuity recording in preschool children.
- e) Draw a well labeled diagram of optic chiasma. Discuss field changes in chiasmal lesion.
- f) Write a note on Microbiology in Endophthalmitis.
- g) Discuss the factors which maintain transparency of Cornea.
- h) Write a note on antifungal drugs in ophthalmology.

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RANGANA : SUMMER 2015
SUBJECT : PAPER-II – OPHTHALMIC MEDICINE AND SURGERY

Day : Wednesday
Date : 3/6/2015

Time : 2.00 P.M. TO 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

Q.1 Give differential diagnosis of leucocoria. Describe pathology, clinical features and management of congenital cataract. (15)

Q.2 Discuss approach to a case of unilateral proptosis in a middle aged female. (15)

Q.3 Attempt any **SEVEN** of the following: (70)

- a) Describe the characteristics of an ideal filtering bleb. Discuss the causes and management of a case of Bleb failure.
- b) Classify ptosis. Describe the evaluation and management of a case of severe ptosis.
- c) Discuss the management of Neovascular glaucoma.
- d) Discuss the management of an anophthalmic contracted socket.
- e) Discuss briefly surgical management of macular holes.
- f) Mention the various peripheral corneal degenerations. Describe the clinical features and management of a case of Mooren's ulcer.
- g) Write about clinical features and management of CRAO.
- h) Write a note on Herpes Zoster Ophthalmicus.

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RANGANA : SUMMER 2015
SUBJECT : PAPER-III – OPHTHALMOLOGY IN MEDICINE AND GENERAL
SURGERY AND RECENT ADVANCES

Day : Friday
Date : 5/6/2015

Time : 2.00 P.M. TO 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw and neat labeled diagrams **WHEREVER** necessary.

Q.1 Discuss clinical features in ocular manifestations of tuberculosis. Mention (15)
ophthalmic workup for a patient on AKT.

Q.2 Describe the ocular manifestations of Leprosy. How will you manage a case of (15)
exposure keratitis?

Q.3 Attempt any **SEVEN** of the following: (70)

- a) Write a note on Anterior Ischemic Optic Neuropathy.
- b) Discuss complications of Retained Intraocular Foreign Bodies.
- c) Clinical features and investigation of Thyroid ophthalmopathy.
- d) Limbal cell transplantation.
- e) Discuss current advances in management of retinoblastoma.
- f) Discuss clinical features and management of posterior scleritis.
- g) What is the principle of OCT? Discuss its common indications in retinal conditions.
- h) Intravitreal drug therapy.

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RANGANA : WINTER - 2014

SUBJECT : PAPER-I - ANATOMY, PHYSIOLOGY, OPTICS AND BASIC SCIENCES

Day : Monday
Date : 01-12-2014

Time : 2.00 P.M. To 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1 Discuss the optics, uses, advantages and disadvantages of the Indirect (24)
Ophthalmoscope. What are the other methods of examining the ocular fundus?

Q.2 Draw a well labeled diagram of the Angle of the Anterior Chamber. Discuss (24)
physiology of maintenance of Intraocular pressure.

Q.3 With the help of a diagram describe the microscopic anatomy of the cornea. Discuss (24)
various factors which maintain corneal transparency.

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Uses of Prisms in ophthalmology
- b) Applanation tonometry
- c) Tests for evaluation of Dry Eye
- d) Limbal Stem Cells
- e) Blood supply of Optic Nerve Head

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RANGANA : WINTER - 2014
SUBJECT : PAPER-II - OPHTHALMIC MEDICINE AND SURGERY

Day : Wednesday
Date : 03-12-2014

Time : 2.00 P.M. To 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1 Discuss differential diagnosis of Leucocoria. Write in brief clinical features, (24)
complications and management of Retinoblastoma.

Q.2 Discuss aetiology, clinical features, assessment and management of ptosis in a (24)
5 year old child.

Q.3 Describe complications of cataract surgery and add a note on management of each (24)
complication.

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Recent Advances in management of Keratoconus
- b) Uses of tissue adhesives in ophthalmology
- c) Pseudotumour of the orbit
- d) Multifocal IOLs
- e) Complications of LASIK.

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RANGANA : WINTER - 2014
SUBJECT : PAPER-III – OPHTHALMOLOGY IN MEDICINE AND
GENERAL SURGERY



Day : Friday
Date : 05-12-2014

Time : 2.00 P.M. To 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1 Describe clinical features, management and complications of Thyroid (24)
Ophthalmopathy.

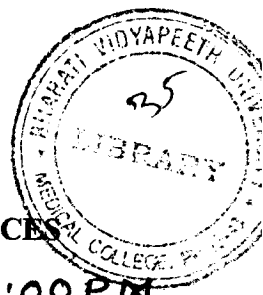
Q.2 Classify Diabetic Retinopathy. Discuss the clinical features, management and (24)
complications of Diabetic Retinopathy.

Q.3 What are the causes of Diplopia? Discuss the management of Diplopia. (24)

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Alkali injuries to the eye
- b) Glaucoma shunts
- c) DSEK
- d) Cavernous Sinus Thrombosis
- e) Nasolacrimal probing.

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RANGANA : JUNE 2014

SUBJECT : PAPER-I - ANATOMY, PHYSIOLOGY, OPTICS AND BASIC SCIENCES

Day : Monday
Date : 02-06-2014

Time : 2:00 P.M. TO 5:00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1 Describe gross and microscopic anatomy, actions and nerve supply of extraocular muscles. (24)

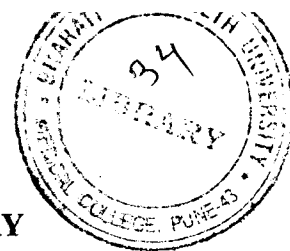
Q.2 Draw a neat labeled diagram of the Angle of the Anterior Chamber. What are the various methods of assessment of the angle of anterior chamber? (24)

Q.3 Describe the microscopic anatomy of the Retina. Add a note on the blood supply of the Optic Nerve Head. (24)

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Apex of the orbit
- b) Cover-uncover test
- c) Uses of Amniotic Membrane in ophthalmology
- d) Visco-elastic substances
- e) Sturm's conoid.

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RANGANA : JUNE 2014
SUBJECT : PAPER-II – OPHTHALMIC MEDICINE AND SURGERY

Day : **Wednesday**
Date : **04-06-2014**

Time : **2:00 P.M. TO 5:00 P.M.**
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat labeled diagrams **WHEREVER** necessary.
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Q.1 Discuss aetiology, clinical features, complications and management of Central (24)
Retinal Vein Occlusion.

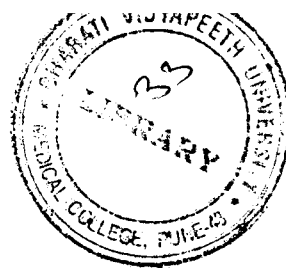
Q.2 Describe clinical features, assessment and management of Dry Eye. (24)

Q.3 Describe clinical features and management of uniocular pediatric cataract. Discuss (24)
the problems likely to be encountered during the management.

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Orbital cellulitis
- b) Optic atrophy
- c) Management of Dacryocystitis
- d) DALK
- e) Mooren's ulcer.

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RANGANA : JUNE 2014
SUBJECT : PAPER-III – OPHTHALMOLOGY IN MEDICINE AND
GENERAL SURGERY

Day : **Friday**
Date : **06-06-2014**

Time : **2:00 P.M. TO 5:00 P.M.**
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1 Discuss aetiopathogenesis, classification and management of Retinopathy of (24)
prematurity.

Q.2 Discuss differential diagnosis, investigations and management of a case of (24)
uniocular proptosis.

Q.3 Discuss National Programme for Control of Blindness and Vision 2020. (24)

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) CMV Retinitis
- b) Accommodative IOLs
- c) Neurofibromatosis
- d) Anti VEGF agents in ophthalmology
- e) Phakonit.

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RANGANA: JUNE - 2013
SUBJECT: PAPER - II- OPHTHALMIC MEDICINE AND SURGERY



Day: **Wednesday**
Date: **05-06-2013**

Time: **2:00 PM TO 5:00 PM**
Max. Marks: 100

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Neat diagrams must be drawn **WHEREVER** necessary.

Q.1 Discuss the etiopathogenesis, clinical features and management of a case of (24)
Rhegmatogenous detachment.

Q.2 What are TRIC agents? Describe the classification and clinical features of (24)
trachoma. How will you manage case of inclusion conjunctivitis?

Q.3 Discuss cataractogenesis. Describe lens induced glaucoma. How will you (24)
manage a case of glaucoma in a patient with microspherophakia.

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Endonasal DCR
- b) Herpes zoster ophthalmicus
- c) Plus disease in ROP
- d) Mooren's ulcer
- e) Spring catarrh

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RANGANA: JUNE-2013
SUBJECT : PAPER - III
(OPHTHALMOLOGY IN MEDICINE & GENERAL SURGERY)



Day : Friday
Date : 07-06-2013

Time : 2:00 P.M. TO 5:00 P.M.
Max. Marks : 100

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREVER** necessary.

Q.1 Describe mechanisms of Blow Out orbit. How will you manage a case? [24]

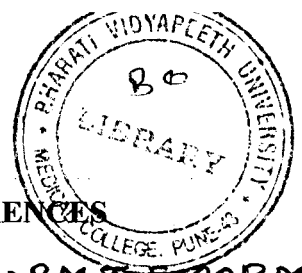
Q.2 Clinical features and causes of Central Retinal Vein Occlusion. How will you manage a case of Neovascular glaucoma? [24]

Q.3 What are Retinal Hamartomas? Describe the clinical features of Angiomatosis Retinae. [24]

Q.4 Write short notes on **ANY FOUR** of the following: [28]

- a) Botulinum toxin
- b) BRVO
- c) Ectopia Lentis
- d) Phakic IOLS
- e) Glaucoma shunts

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RANGANA: **DEC-2013**

SUBJECT: PAPER - I- ANATOMY, PHYSIOLOGY, OPTICS, BASIC SCIENCES

Day: **Monday**
Date: **02-12-2013**

Time: **2:00 P.M. TO 5:00 P.M.**
Max. Marks: 100

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Neat diagrams must be drawn **WHEREVER** necessary.

Q.1 Describe various types of contact lenses and their uses. What are the complications contact lenses? (24)

Q.2 Discuss the visual pathway and describe the various field defects of lesions of the chiasma. (24)

Q.3 Describe the structures of the angle of the anterior chamber. Discuss the gonioscopic classifications. What are the developmental abnormalities seen in the angle of the AC. (24)

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Pathological myopia
- b) Sturm's conoid
- c) Visco elastic substances
- d) Atropine
- e) Premium IOLs

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RANGANA: DEC 2013

SUBJECT: PAPER - II- OPHTHALMIC MEDICINE AND SURGERY

Day: Wednesday
Date: 04-12-2013

Time: 2:00 P.M. To 5:00 P.M.
Max. Marks: 100

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Neat diagrams must be drawn **WHEREVER** necessary.



Q.1 Discuss pathogenesis, clinical features of management of case of primary (24)
narrow angle glaucoma.

Q.2 Discuss evaporative dry eye. (24)

Q.3 Discuss etiology, clinical features of management of a case Retinoblastoma. (24)

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Intermediate uveitis
- b) Cover tests
- c) Ectropion
- d) Glaucoma implants
- e) Anti VEGF drugs

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RANGANA: **DEC-2013**
SUBJECT : PAPER - III
(OPHTHALMOLOGY IN MEDICINE & GENERAL SURGERY)



Day : **Friday**
Date : **06-12-2013**

Time : **2:00 P.M. To 5:00 P.M**
Max. Marks : 100

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREVER** necessary.

Q.1 Discuss clinical features and management of a case of Herpes Zoster [24]
Ophthalmitis.

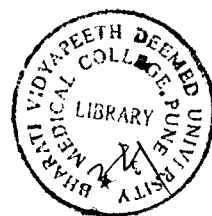
Q.2 Discuss etiopathogenesis of unilateral proptosis in a child. How will you [24]
manage a case of pseudo tumor orbit?

Q.3 Discuss management of Neovascular choroidal membranes. [24]

Q.4 Write short notes on **ANY FOUR** of the following: [28]

- a) Endonasal DCR
- b) Scleral fixated lenses
- c) Roth spots
- d) Ocular cysticercosis
- e) Central serous chorioretinopathy

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RANGANA : OCT-NOV-2012

SUBJECT : PAPER-I

(ANATOMY, PHYSIOLOGY, OPTICS AND BASIC SCIENCES)

Day : Friday
Date : 14-12-2012

Time : 2:00 P.M. TO 5:00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1. Describe the optic nerve and clinical significance of the blood supply. (24)

Q.2 Describe anatomy of the angle of the anterior chamber. Discuss congenital angle anomalies. (24)

Q.3 Explain various methods of tonometry in detail. (24)

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Brinzolamide
- b) Abnormal retinal angiogram
- c) Optics of aphakia
- d) Contrast sensitivity
- e) Superior orbital fissure.

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RANGANA : Oct-Nov-2012
SUBJECT : PAPER-II
(OPHTHALMIC MEDICINE AND SURGERY)

Day : Saturday
Date : 15-12-2012

Time : 2:00 P.M. TO 5:00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1. Classify ocular trauma. Discuss the etiopathogenesis, clinical features and management of a case of blunt trauma. (24)

Q.2 Discuss the etiopathogenesis, clinical features and management of a case of choroidal neovascular membranes. (24)

Q.3 Discuss the etiopathogenesis, clinical features and management of a case of Herpes Zoster Ophthalmicus. (24)

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Marginal corneal ulcerations
- b) Tissue glues in ophthalmology
- c) Intravitreal injections
- d) Posterior scleritis
- e) Genetics of retinoblastoma.

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RANGANA : OCT. NOV- 2012

SUBJECT : PAPER-III

(OPHTHALMOLOGY IN MEDICINE AND GENERAL SURGERY)

Day : Monday
Date : 17-12-2012

Time : 2:00 P.M. TO 5:00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1. Describe the etiopathogenesis and ocular manifestations of Leprosy. (24)

Q.2. Discuss recent advances in management of Primary Open Angle Glaucoma. (24)

Q.3. Describe classification of Diabetic Retinopathy. Discuss recent approaches in the management of the same. (24)

Q.4. Write short notes on any **FOUR** of the following: (28)

- a) Limbal nodule
- b) Ocular complications of U-V radiations
- c) Ocular toxicity of anti tubercular drugs
- d) Sarcoidosis
- e) Corneal topography.

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RANGANA : JUNE 2012
SUBJECT : PAPER-I
(ANATOMY, PHYSIOLOGY, OPTICS AND BASIC SCIENCES)

Day : Saturday
Date : 02.06.2012

Time : 2.00 P.M. To 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1. Discuss vision testing in children and management of amblyopia. (24)

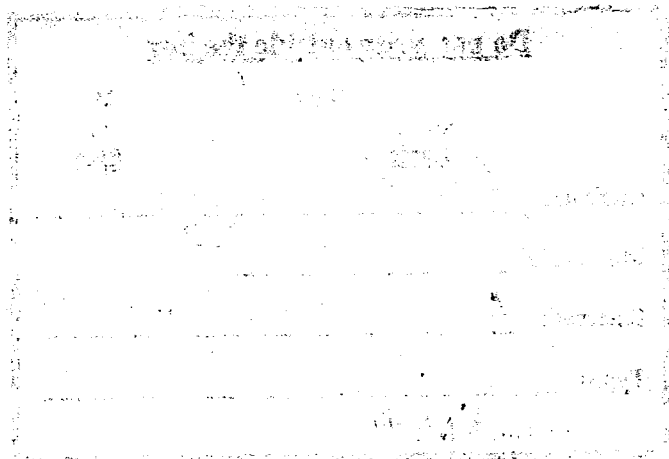
Q.2 Discuss the anatomy of the orbit. Discuss various surgical approaches to the orbit. (24)

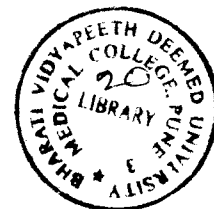
Q.3 Discuss anatomical and physiological factors responsible for corneal transparency. (24)

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Altitudinal field defects
- b) Dacryocystography
- c) Edinger Westphal nucleus
- d) Slit Lamp biomicroscopy
- e) Vital dyes used in ophthalmology.

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RANGANA : JUNE 2012
SUBJECT : PAPER-II
(OPHTHALMIC MEDICINE AND SURGERY)

Day : Monday
Date : 04.06.2012

Time : 2.00 P.M. To 5.00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1. Discuss the etiopathogenesis, clinical features and management of a case of (24)
keratoconus.

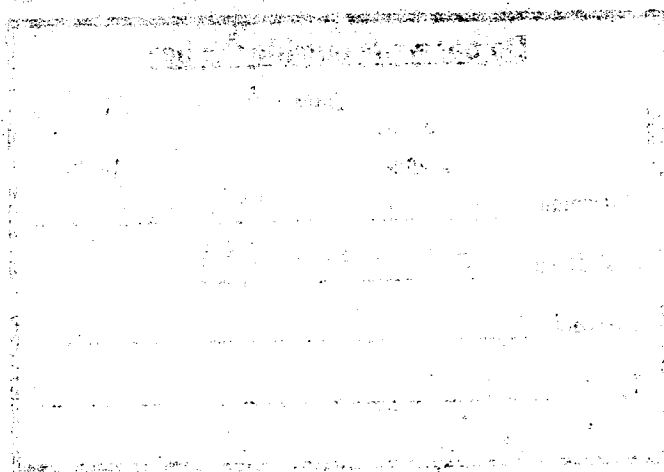
Q.2 Discuss late complications of cataract surgery and their management. (24)

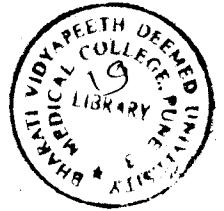
Q.3 What are the differential diagnoses of Floaters? Describe the etiology and (24)
management of vitreous haemorrhage.

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Exophthalmometry
- b) Optic nerve glioma
- c) Cyclosporine A
- d) Orbital implants
- e) Age related macular degeneration.

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RANGANA : JUNE 2012
SUBJECT : PAPER-III
(OPHTHALMOLOGY IN MEDICINE AND GENERAL SURGERY)

Day : *Wednesday*
Date : *06-06-2012*

Time : *2:00 P.M. To 5:00 P.M.*
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1. Discuss the metabolism of Vit-A in the eye. Describe the clinical features and management of avitaminosis-A. (24)

Q.2 Discuss the etiopathogenesis, clinical features and management of Lagophthalmos. (24)

Q3 Discuss ocular manifestations caused by ENT disorders. (24)

Q.4 Write short notes on any **FOUR** of the following: (28)

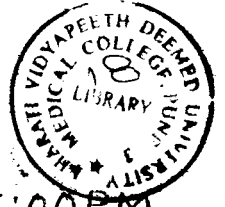
- a) Juxtapapillary choroiditis
- b) CMV retinitis
- c) BRVO
- d) Goldenhar syndrome
- e) Internuclear ophthalmoplegia.

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RANGANA : JUNE 2011

SUBJECT : PAPER-I

(ANATOMY, PHYSIOLOGY, OPTICS AND BASIC SCIENCES)



Day : Saturday
Date : 04-06-2011

Time : 2:00 P.M. TO 5:00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1 Describe the angle of the anterior chamber and its role in maintaining IOP. (24)

Q.2 Draw cross sectional diagram of Retina. Discuss in detail the structure and applied anatomy of the macula. (24)

Q.3 Describe the constitution of the tear film and factors responsible for its maintenance. Discuss clinical evaluation of a patient with dry eye. (24)

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Field defects of glaucoma in relation to the arrangement of retinal nerve fibres
- b) Orb scan
- c) Colour vision
- d) Ciliary ganglion
- e) Disposable contact lenses.

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RANGANA, JUNE 2011
SUBJECT : PAPER-II
(OPHTHALMIC MEDICINE AND SURGERY)



Day : Monday
Date : 06-06-2011

Time : 2:00 P.M. TO 5:00 P.M.
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1 Discuss the management of post surgical endophthalmitis. **(24)**

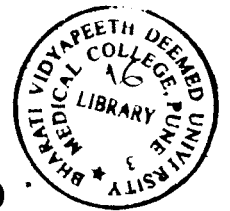
Q.2 Give the differential diagnosis of a limbal nodule. Discuss management of pterygium. **(24)**

Q.3 Discuss differential diagnosis and management of unilateral proptosis. **(24)**

Q.4 Write short notes on any **FOUR** of the following: **(28)**

- a) Various techniques of preservation of corneoscleral button.
- b) Neovascular glaucoma.
- c) Cytomegalovirus retinitis
- d) Hyphaema
- e) Horizontal gaze palsy.

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RANGANA : JUNE 2011
SUBJECT : PAPER-III
(OPHTHALMOLOGY IN MEDICINE AND GENERAL SURGERY)

Day : **Wednesday**
Date : **08-06-2011**

Time : **2:00 PM TO 5:00 PM**
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw neat labeled diagrams **WHEREVER** necessary.
-

Q.1 Describe the etiopathogenesis of ectopia lentis. Discuss recent advances in (24)
management of ectopia lentis.

Q.2 Discuss thyroid ophthalmopathy. (24)

Q.3 What is the recommended screening protocol for Retinopathy of prematurity (24)
(ROP). Describe the classification and the indications for its treatment.

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Cherry Red Spot at the Macula.
- b) Recent advances in management of Keratoconus
- c) Triamcinolone acetate
- d) Eale's disease
- e) Posterior scleritis.

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RANGANA-I: JUNE 2009
SUBJECT: D. O. OPHTHALMOLOGY PAPER-I

Day : *Saturday*
Date : *06-06-2009*

Time: *2.00 P.M. To 5.00 P.M.*
Max. Marks: 100.

N.B.:

- 1) All questions are **COMPULSORY**
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.

-
- Q.1** Discuss the applied anatomy of VI nerve. [24]
- Q.2** Discuss colour vision and its anomalies. [24]
- Q.3** Discuss in detail how corneal transparency is maintained. [24]
- Q.4** Write short notes on **ANY FOUR** of the following: [28]
- a) Orbscan
 - b) Jackson's cross cylinder
 - c) Superior orbital fissure
 - d) Fluorescein dye
 - e) Histopathology of basal cell carcinoma

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RANGANA-I: JUNE 2009
SUBJECT: D. O. OPHTHALMOLOGY PAPER-II

Day : Monday
Date : 08-06-2009

Time: 2.00 P.M. To 5.00 P.M.
Max. Marks: 100.

N.B.:

- 1) All questions are **COMPULSORY**
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.

- Q.1** Describe various risk factors for Rhegmatogenous retinal detachment. What are the indications for prophylactic treatment in such cases? [24]
- Q.2** Discuss ocular toxoplasmosis. [24]
- Q.3** Discuss etiology, clinical features and management of congenital cataract. [24]
- Q.4** Write short notes on **ANY FOUR** of the following: [28]
- a) Thyroid exophthalmos
 - b) Primary optic atrophy
 - c) Graft failure
 - d) Hemianopia
 - e) Phakic IOL

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RANGANA-I: JUNE 2009
SUBJECT: D. O. OPHTHALMOLOGY PAPER-III

Day : Wednesday
Date : 10-06-2009

Time: 2.00 P.M. To 5.00 P.M.
Max. Marks: 100.

N.B.:

- 1) All questions are **COMPULSORY**
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.

Q.1 Describe the recent advances in investigations and treatment of Primary Open Angle Glaucoma. [24]

Q.2 Discuss the ophthalmic causes of headache. [24]

Q.3 Describe the etiology, classification, clinical manifestations and treatment of Retinopathy of Prematurity. [24]

Q.4 Write short notes on **ANY FOUR** of the following: [28]

- a) Laser DCR
- b) Femtosecond laser
- c) Anti VEGF Agents
- d) Corneal Collagen cross linkage
- e) Amniotic membrane transplantation

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PRABALGAD : JUNE 2008
SUBJECT : PAPER - IV
(RECENT ADVANCES IN OPHTHALMOLOGY)



Day : *Friday*
Date : 13-06-2008

Time : 2:00 P.M. TO 5:00 P.M.
Max. Marks : 100

N.B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

Q. 1 Discuss in detail lamellar keratoplasty techniques. **(24)**

Q. 2 Comment on the advancements in diagnosis and management of a case of uveitis. **(24)**

Q. 3 Discuss current treatment approaches in diabetic macular oedema. **(24)**

Q. 4 Write short notes on (ANY FOUR) : **(28)**

- a) Newer imaging techniques to assess optic disc changes in glaucoma
- b) Immunosuppressives in ophthalmology
- c) Phacolit
- d) Macugen
- e) Orthokeratology

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RANGANA-I: JUNE-2008
SUBJECT: D. O. OPHTHALMOLOGY PAPER-I

Day : *Saturday*
Date : *07-06-2008*

Time: 2:00 P.M. TO 5:00 P.M.
Max. Marks: 100.

N.B.:

- 1) All questions are **COMPULSORY**
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagrams **WHEREVER** necessary.
-

Q.1 Describe the development of crystalline lens. Add a note on its microscopic anatomy. [24]

Q.2 What are different types of Gonioscopes? Describe the Gonioscopic anatomy of the angle of anterior chamber. [24]

Q.3 Discuss in detail how corneal transparency is maintained? [24]

Q.4 Write short notes on **ANY FOUR** of the following: [28]

- a) Duochrome test
- b) Neuroprotective agents in glaucoma
- c) Histopathology of retino blastoma
- d) Jackson's cross cylinder
- e) Blood supply of optic nerve head

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RANGANA-I: JUNE 2008
SUBJECT: D. O. OPHTHALMOLOGY PAPER-II

Day : Monday
Date : 09-06-2008

Time: 2:00 P.M. TO 5:00 P.M.
Max. Marks: 100.

N.B.:

- 1) All questions are **COMPULSORY**
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagrams **WHEREVER** necessary.
-

- Q.1** Describe the classification, etiopathogenesis, clinical features and management of acute iridocyclitis. [24]
- Q.2** Discuss etiology, clinical features and management of congenital cataract. [24]
- Q.3** Discuss giant retinal tear and its management. [24]
- Q.4** Write short notes on **ANY FOUR** of the following: [28]
- a) Phakic IOL
 - b) Entropion
 - c) Botulinum toxin
 - d) Primary optic atrophy
 - e) Duane's retraction syndrome

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RANGANA-I: JUNE - 2008
SUBJECT: D. O. OPHTHALMOLOGY PAPER-III

Day : *Wednesday*
Date : *11-06-2008*

Time: 2:00 P.M. TO 5:00 P.M.
Max. Marks: 100.

N.B.:

- 1) All questions are **COMPULSORY**
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.

-
- Q.1** Describe recent advances in investigations and treatment of Primary Open Angle Glaucoma. [24]
- Q.2** Describe the etiology, classification, clinical manifestations and treatment of Retinopathy of Prematurity. [24]
- Q.3** Discuss National Programme for the Control of Blindness in India. [24]
- Q.4** Write short notes on **ANY FOUR** of the following: [28]
- a) Anti VEGF Agents
 - b) Femtosecond laser
 - c) Corneal Collagen cross linkage
 - d) Retinal vein occlusion
 - e) Cavernous sinus thrombosis

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RANGANA-I: JUNE-2008
SUBJECT: D. O. OPHTHALMOLOGY PAPER-I

Day : *Saturday*
Date : *07-06-2008*

Time: 2:00 P.M. TO 5:00 P.M.
Max. Marks: 100.

N.B.:

- 1) All questions are **COMPULSORY**
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagrams **WHEREVER** necessary.
-

Q.1 Describe the development of crystalline lens. Add a note on its microscopic anatomy. **[24]**

Q.2 What are different types of Gonioscopes? Describe the Gonioscopic anatomy of the angle of anterior chamber. **[24]**

Q.3 Discuss in detail how corneal transparency is maintained? **[24]**

Q.4 Write short notes on **ANY FOUR** of the following: **[28]**

- a) Duochrome test
- b) Neuroprotective agents in glaucoma
- c) Histopathology of retino blastoma
- d) Jackson's cross cylinder
- e) Blood supply of optic nerve head

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RANGANA-I: JUNE-2008
SUBJECT: D. O. OPHTHALMOLOGY PAPER-II

Day : Monday
Date : 09-06-2008

Time: 2:00 P.M. TO 5:00 P.M.
Max. Marks: 100.

N.B.:

- 1) All questions are **COMPULSORY**
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.

- Q.1** Describe the classification, etiopathogenesis, clinical features and management of acute iridocyclitis. [24]
- Q.2** Discuss etiology, clinical features and management of congenital cataract. [24]
- Q.3** Discuss giant retinal tear and its management. [24]
- Q.4** Write short notes on **ANY FOUR** of the following: [28]
- a) Phakic IOL
 - b) Entropion
 - c) Botulinum toxin
 - d) Primary optic atrophy
 - e) Duane's retraction syndrome

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OP. 6
13

RANGANA : APRIL / MAY 2007
SUBJECT : PAPER-I
(ANATOMY, PHYSIOLOGY, OPTICS, BASIC SCIENCES)

Day : Tuesday
Date : 12/06/2007

Time : 2.00 PM TO 5.00 PM
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Draw neat diagrams wherever necessary.
 - 3) Figures to the **RIGHT** indicate full marks.
-

- Q.1** Discuss the applied anatomy of orbit. (24)
- Q.2** Discuss the factors maintaining the corneal, transparency and mechanism of corneal oedema. (24)
- Q.3** Discuss various optical aberrations of the eye. Comment on Aberroopia. (24)
- Q.4** Write short notes on any **FOUR** of the following: (28)
- a) I.C.G.
 - b) Atropine sulphate 1%
 - c) Specular microscopy
 - d) Histopathology of retinoblastoma
 - e) Non contact tonometry.

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RANGANA : APRIL / MAY 2007
SUBJECT : PAPER-II
(OPHTHALMIC MEDICINE AND SURGERY)

Day : Wednesday
Date : 13/06/2007

Time : 2.00 PM TO 5.00 PM
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Draw neat diagrams wherever necessary.
 - 3) Figures to the **RIGHT** indicate full marks.
-

Q.1 Discuss management of Rhegmatogenous retinal detachment. (24)

Q.2 Discuss ocular manifestations of Herpes Zoster Ophthalmicus and its management. (24)

Q.3 Discuss etiology, clinical features and management of congenital glaucoma. (24)

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Ectropion
- b) Cystoid macular oedema
- c) Graft rejection
- d) Thyroid exophthalmos
- e) Hyphema

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RANGANA : APRIL / MAY 2007
SUBJECT : PAPER-III
(OPHTHALMOLOGY IN MEDICINE AND GENERAL SURGERY & RECENT ADVANCES)

Day : Thursday
Date : 14/06/2007

Time : 2.00 PM TO 5.00 PM
Max. Marks : 100.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Draw neat diagrams wherever necessary.
 - 3) Figures to the **RIGHT** indicate full marks.
-

Q.1 Describe the clinical features, investigations and treatment of angle closure (24)
glaucoma.

Q.2 Discuss etiology, clinical features and management of optic neuritis. (24)

Q.3 Describe the etiology, classification, clinical manifestations and treatment of (24)
Retinopathy of Prematurity.

Q.4 Write short notes on any **FOUR** of the following: (28)

- a) Cavernous sinus thrombosis
- b) Use of the amniotic membrane in ophthalmology
- c) Tarsorrhaphy
- d) Dry eye
- e) Cyclosporin eye drops.

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RANGANA : AUGUST 2006
SUBJECT : PAPER –I
(Anatomy, Physiology, Optics, Basic Sciences)

Day: Tuesday
Date: 01/08/2006

Time: 2:00 p.m. to 5:00 p.m.
Max. Mark: 100

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Neat diagrams must be drawn wherever necessary.
-

Q.1 Describe the development and anatomy of the lens. (24)

Q.2 Describe corneal metabolism in detail. What keeps cornea transparent? (24)

Q.3 Describe pupillary pathways and abnormal pupillary reactions. (24)

Q.4 Write short notes on any **FOUR**: (28)

- a) Inferior oblique muscle
- b) Acanthamoeba keratitis
- c) Gonioscopy
- d) Strum's conoid
- e) VEP

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RANGANA : AUGUST 2006
SUBJECT : PAPER –II
(Ophthalmic Medicine & Surgery)

Day: Wednesday
Date: 02/08/2006

Time: 2:00 p.m. to 5:00 p.m.
Max. Mark: 100

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Neat diagrams must be drawn wherever necessary.

Q.1 Discuss etiology and management of congenital contract. **(24)**

Q.2 Discuss management of post surgical endophthalmitis. **(24)**

Q.3 Discuss management of convergent concomitant squint. **(24)**

Q.4 Write short notes on any **FOUR**: **(28)**

- a) Artificial tear
- b) Corneal graft rejection
- c) VKH syndrome
- d) Duane's syndrome
- e) Central serous retinopathy

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RANGANA : AUGUST 2006
SUBJECT : PAPER -III
(Ophthalmology in Medicine & General Surgery, Recent Advances)

Day: Thursday
Date: 03/08/2006

Time: 2:00 p.m. to 5:00 p.m.
Max. Mark: 100

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Neat diagrams must be drawn wherever necessary.
-

Q.1 Discuss aetiopathogenesis, clinical features and management of retinopathy of prematurity. **(24)**

Q.2 Discuss aetiopathogenesis, clinical features and management of diabetic retinopathy. **(24)**

Q.3 Discuss clinical features and management of central retinal vein occlusion. **(24)**

Q.4 Write short notes on any **FOUR**: **(28)**

- a) Lasic
- b) Use of amniotic membrane in ophthalmology
- c) 5.F.U.
- d) E nucleation
- e) Vitamin A deficiency

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