



Assam University
MS/DO Question
Papers

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Basic sciences
CORNEA

1. Microanatomy of cornea + role of corneal endothelium in health & diseases **1987(jan)**
2. **Short notes**----corneal endothelium **1989(nov)**
Surgical anatomy of limbus 2007 **(june)**
3. Microanatomy of cornea with special reference to function of endothelium & epithelium. **1990(may)**
4. Discuss how cornea maintains its transparency **1994(Dec),1996(Dec),2003(Dec,DO)**
5. Different methods of examining cornea **2003(may)**
6. Anatomy of cornea. Metabolism of cornea. **2006 (do)**
7. Factor that maintain corneal transparency **2007 (do)**
8. Maintenance of corneal transparency SN 2009(MS)
9. Corneal Topography SN 2009 (MS)

Basic sciences
ANTERIOR CHAMBER, UVEA, AQUEOUS HUMOR

1. Anatomy of angle of anterior chamber + methods of examination **1990(Dec)**
2. **Short notes**--blood aqueous barrier 1990(**Dec**)
3. Anatomy of angle of anterior chamber + what role does it play in health & disease **1992(May)**
4. Anatomy of angle of anterior chamber with diagram **1994(Dec)**
5. Anatomy of angle of anterior chamber with special reference to the drainage of aqueous humour.
6. **Short notes**-- Aqueous humor **2003(Dec, DO)**
Choriocapillaries **2006 (DO)**
7. Anatomy of angle of anterior chamber + clinical significance.

8. Applied anatomy of angle of anterior chamber + aetiopathogenesis of developmental glaucoma.
9. Blood-ocular barrier + anatomy of its component + its physiological & clinical significance **2004(Dec), 2007 (DO)**
10. Describe closure of foetal fissure + result of imperfect closure during development + normal structure of iris & its abnormalities
11. Macroscopic + microscopic anatomy of iris & ciliary body **2005 (DO)**
12. Drugs acting on pupil **SN 2009 (DO)**

Basic sciences

EYEBROW AND EYELIDS, LACRIMAL APPARATUS

1. Anatomical structure of lids + role of secretion of various glands in the lids. 1986 (**Nov 1986**)
2. Production + composition + role of tears in health & disease 1990 (**Dec**)
3. **Short notes**—tear film 1996 (**Dec**), 2003(**June**)
4. **Short notes**—levator palpebral superioris 2003(**Dec, DO**)
5. **Short notes**—drainage of tears 1990 (**May**)

Basic sciences

THE ORBIT AND PNS

1. **Short notes**—orbital space and their clinical significance 2004(**Dec**), 2003 (**Dec, DO**)
2. **Short notes**—
 - a) Superior orbital fissure 2004 (**June**) 2007 (**DO**)
 - b) Supports of eyeball 1994 (**Dec**)
3. Anatomy of superior orbital fissure + illustration with diagram
4. Anatomy of bony orbit. Structures passing through superior orbital fissure 2006 (**June**)
5. Describe ocular autonomic nerves 2007 (**DO**)

Basic sciences

RETINA, NEUROPHYSIOLOGY OF VISION

Short notes—

1. ganglion cell 1987(**Dec**)
2. retinal pigment epithelium 1986 (**Nov**), 1992 (**May**)
3. colour vision 1987(**Dec**)
4. rods & cones 1989 (**May**)

5. dark adaptation 1989 **(May)** ,1990 **(may)**
6. pupillary pathway 1998 **(June)**2007 **(June)**
7. Contrast sensitivity 2003**(Dec, DO)**
8. Blood retinal barrier 2009 **(DO)**
9. Anatomy of optic chiasma 2009 **(DO)**
- 10.Theories of colour vision 2009

Long questions:

1. Blood supply of optic nerve head ----with diagram **1989 (Nov) 2006 (DO) 2007 (DO)**
2. Microstructure of retina with diagram + functions of Retinal pigment epithelium **2003 (Dec, DO)**
3. Anatomy of macula +different method of evaluation of macular function **2004(Dec)**
4. Micro + macro anatomy of retina **2007 (june)**
5. Development & microscopic anatomy of retina. functions of various types of cell **2006 (june)**
6. What is mechanism of dark adaptation? Discuss the various causes of night blindness & Treatment of vit-A deficiency? **2009 (DO)**

Basic sciences

PHYSIOLOGY OF BINOCULAR VISION

1. Discuss development of binocular vision.1990 **(May)**
2. Maintenance of binocular vision---factor leading to loss of binocularity 1992 **(may)**
3. *Short notes*— binocular vision
4. Concept of binocular vision + components of binocular vision + abnormal retinal correspondence 2004 **(June)**
5. *Short notes*— retinal correspondence 1987**(Dec)**,
6. *Short notes*— abnormal retinal correspondence 1996**(Dec)**

Basic sciences

CRYSTALLINE LENS

1. Metabolism of crystalline lens 1989 **(Nov)**, 2005 **(DO)**
2. Microanatomy of lens----role of posterior capsule in formation of cataract 1989 **(May)**
3. Development + structure + metabolism of lens 1998**(June)**
4. Describe the development & structure of human crystalline lens. Describe its developmental anomalies? 2009
5. *Short notes*—
 - a) Metabolism of crystalline lens 1986 **(Nov)**

- b) decentration of lens 1990 **(Dec)**
- c) Aldose reductase 1990 **(May)**

Basic sciences
VITREOUS HUMOUR

1. Development + anatomy of vitreous + congenital abnormalities of vitreous **2003 (may)**
2004 (june) +metabolic activities **2005 (do)**
2. **Short notes**— development of vitreous **2004(dec)**
3. Development of vitreous with diagram 1999 **(dec)**
4. Development + anatomy of vitreous + enumerate common type of vitreous degenerations **1996(dec)**
5. Describe the development, anatomy, & composition of vitreous **2009 (DO)**

Basic sciences
EXTRA OCULAR MUSCLE & OCULAR MOTILITY

1. Actions of different extraocular muscles & fundamental laws governing ocular motility. **2007 (June)**
2. Origin+ insertion+ action of extrinsic muscles of eyeball **2006 (DO)**
3. **Short notes**—
 - a) Laws governing ocular motility **2004 (dec)**
 - b) Herring's law **1990 (may)**
 - c) Oblique muscle of the eye **2009 (MS)**

Basic sciences
PROCEDURES

1. **SHORT NOTES**—
 - a) Intraocular Lens Power Calculation **2004 (june)**
 - b) Macular Function Test
 - c) Electrooculography 1989 **(Nov)**, 1990 **(May)**, 2004 **(Dec)**
 - d) E.O.G **1992 (May)**
 - e) Electroretinography **1996 (DEC)**
 - f) Fluorophometry **2003(JUNE)**
 - g) Gonioscopy 2003**(JUNE)**
 - h) Types of Bifocal Lens **2006 (JUNE)**
 - i) Types of Foldable IOL **2006 (JUNE)**
 - j) Different types of tonometer **2007 (do)**
 - k) Conjunctival impression cytology **2007 (DO)**

- l) Principles and type of gonioscope **2009 (DO)**
- m) Electro-oculogram **2009**
- n) Optics of indirect ophthalmoscopy **2009**

2. Long Questions:

- a) Discuss the role of keratometry in ophthalmology spl in relation to astigmatism. Classify astigmatism **1987 (DEC)**
- b) Optics of direct & indirect ophthalmoscopy **1990 (may) 2007(JUNE)**
- c) Optics of gonioscopy & its clinical importance **1994 (DEC)**
- d) Optics of slitlamp biomicroscope **1996 (DEC)**
- e) Illustrate & describe optics & uses of binocular indirect ophthalmoscopy **2003(DEC)**
- f) Visually evoked potential & early recptoe potential **2007 (DO)**

Basic sciences **REFRACTION**

1. Long questions-

- a) Prisms in ophthalmological practice **1986 (NOV)**
- b) Classification of hypermetropia.its importance in relation with squint **1989 (MAY)**
- c) Describe donders reduced eye **1999 (DEC)**
- d) Optics of contact lens and its uses in ophthalmic practice **1989 (NOV)**
- e) Def of accommodation+ relationship between accomodation & convergence **2006 (DO)**

2. Short notes—

- A) Astigmatism **1990 (Dec), 1999(DEC)**
- B) Strums conoid **1990 (MAY), 1996 (DEC), 2006 (DO)**
- C) S.R.K. Formula **1992 (MAY)**
- D) Difficulties in Aphakia **1994 (DEC)**
- E) Accommodation **1996 (DEC)**
- F) Cross cylinder **1999(DEC)**
- G) Bagolinies striated glasses **1999(DEC)**
- H) Prism **1996(DEC)**
- I) Asthenopia **1998(JUNE)**
- J) Maddox rod **1998(JUNE)**
- K) Compound astigmatism **2006 (DO)**
- H) Use of prisms in ophthalmology **2009 (MS)**
- I) Astigmatism **2009 (MS)**
- K) Optics of contact lens **2009 (DO)**
- L) Pathological myopia **2009(DO) 2nd paper**

Lens & Cataract Surgery

1. Describe the causes, prevention and management of posterior capsular opacities of the lens. **2004 (Dec) Second paper**
2. Discuss the management of cataract with uveitis **2004 (June) Second paper.**
3. Discuss about recent advances of cataract surgery. **2003 third paper**
4. Write about the recent advances in cataract surgery. **2007 Fourth Paper**
5. Discuss the advances in cataract surgery in last third decades **2004 Fourth Paper**
6. Discuss the management of congenital cataract with special reference to various surgical modalities. **2000 third paper**
7. Discuss the management of congenital cataract. **2005 DO**
8. What are the different types of Congenital Cataract? How will you manage such a case? Discuss its surgical complications. **1996 third paper**
9. Discuss the management of dislocated intraocular lens. **2006 (June) DO**
10. Describe the Pathogenesis of senile cataract. **2006 (Dec) DO**
11. Discuss the management of cataract with uveitis **2009(DO) Second paper.**
12. Management of a patient with posteriorly dislocation of IOL **2009(MS) 3rd paper**

Short notes:

1. Management of posterior dislocation of crystalline lens **2007 third paper**
2. Management of posteriorly dislocated nucleus in I.O.L. surgery **1996 Fourth Paper**
3. Ectopia lentis **2003 third paper**
4. Ectopia lentis **2006 (Dec) DO**
5. Marchesani syndrome **2002 (July) DO**
6. IOL power calculation **1999 Second paper.**
7. IOL power calculation **2000 (June) Second paper.**
8. Viscoelastic in Ophthalmology **2000 third paper**
9. Foldable intraocular lenses **2000 fourth Paper**
10. Posterior Capsular Opacification **2003 DO**
11. Capsulorhexis. **2003 DO**
12. Striate keratopathy **1999 DO**
13. Pseudophakic bullous keratopathy **1998 third paper**
14. Fluidics of phacoemulsifier **2009(MS) 3rd paper**

Retina & Intraocular Tumour

1. Describe the Pathogenesis, clinical features and management of diabetic maculopathy. **2007, Second paper**

2. Discuss the aetiopathogenesis of diabetics retinopathy. **2004 (Dec) Second paper.**
3. Discuss the pathogenesis of Diabetic retinopathy and recent advances in its management. **2004 third paper**
4. What is the current trend in management of Diabetic retinopathy and maculopathy? **2006 Fourth Paper**
5. Discuss diabetic retinopathy. **2003 Fourth Paper**
6. Discuss in brief the management of non-proliferative diabetic retinopathy. **2006 (June) DO**
7. Discuss the Pathogenesis, clinical diagnosis and management strategies of diabetic retinopathy. **2003 DO**
8. Describe the fundus picture and management of Diabetic Retinopathy. **2005 DO**
9. Describe aetiopathogenesis of DIABETIC RETINOPATHY. Mention management in different situations. **1996 Second paper.**
10. Discuss the management of diabetic retinopathy **1999 (June) third paper**
11. Discuss the management of non-proliferative diabetic retinopathy. **1999 Fourth Paper**
12. Describe the aetiopathogenesis and management of diabetic retinopathy **2009 (MS)**
13. Discuss the Pathogenesis and histopathological changes in diabetic retinopathy. Discuss in short the management of proliferative diabetic retinopathy. **2009(DO)**
14. Discuss the current clinical management of Retinoblastoma. **2005 Fourth Paper**
15. Describe the pathological features and classification of Retinoblastoma. **2005 DO**
16. Describe the Pathogenesis, pathology, clinical features and treatment of Retinoblastoma. **2002 DO**
17. Diagnosis and management of retinoblastoma. **1999 Second paper.**
18. Describe the clinical presentation, aetiopathogenesis and management of retinoblastoma in early stages **2004 (June) Second paper**
19. Discuss the pathology of age related macular degeneration and its management **2000(June) Second paper.**
20. Discuss the recent advances in treatment of Age-related macular degeneration. **2006 Fourth Paper**
21. Discuss the clinical features and management of retinal venous thrombosis. **2007 third paper**
22. Describe the symptoms ,signs, treatment and complications of RP **1990 Third paper**
23. What are the differential diagnoses of Leucocoria in infants? Discuss the classification and management of retinopathy of prematurity. **2006 third paper**

24. Describe the pathogenesis, clinical features & complications of ROP. **2002 DO**
25. Describe the clinical features & causes of choroidal detachment. How do you manage such a case? **2002 DO**
26. Describe the aetiopathogenesis of cystoid macular oedema & its management. **2000 DO**
27. Describe the fundus picture of Hypertensive Retinopathy. How will you manage a patient of Hypertensive Retinopathy? **2006 DO**
28. Describe pathological features and classification of Malignant Melanoma of Choroid. **2006 DO**
29. Describe the Histopathology of Malignant Melanoma of choroid. Describe the ways in which such a tumour may spread. **1996 *Second paper***.
30. Management of giant retinal tear. **1999 (*Dec*) *third paper***
31. Describe the principle and practice of pneumatic retinopexy. **1996 *Fourth Paper***
32. Describe the recent advances in vitreo-retinal surgery. **2005 *Fourth Paper***
33. Discuss the indications, techniques, equipment used and complications of vitrectomy operations **1990 *Third paper***.
34. Describe the techniques of Retinal Detachment Surgery. **2005 DO**

Short Notes:

1. Eales' disease **2006, *Second paper***.
2. Clinical picture and pathology in central serous retinopathy **2006, *Second paper***.
3. Central serous choroidopathy **2003 DO**
4. ARMD **2003 *Second paper***.
5. Age related macular degeneration **2002 DO**
15. Macular hole **2007 *third paper*, 2009(MS) 3rd paper**
6. CME **1998 *third paper***
7. Senile macular hole **2006 (*Dec*) DO**
8. Submacular neovascular membrane **1996 *Fourth Paper***
9. Lattice degeneration of retina **1998 *third paper***
10. Pathology of Retinoblastoma **2000 (*June*) *Second paper***.
11. Recent trends in the management of retinoblastoma **2001 *Fourth Paper***
12. Rosettes in Retinoblastoma **2006 DO**
13. Retinoblastoma **2003 DO**
14. Genetics of retinoblastoma **1999 DO**
15. Expandable gases in vitreous surgery **2000 *third paper***
16. Vitreous substitutes. **2004 *Fourth Paper***
17. Indications of Vitrectomy and its complications **1996 *third paper***
18. Principles of retinal detachment surgery **2000 *third paper***
19. OCT **2007 *Fourth Paper***
20. Optical Coherent Tomography **2007 DO**
21. Diabetes and the eye **2001 *Fourth Paper***
22. Chloroquine retinopathy **2006 (*June*) DO**
23. Chloroquine retinopathy **2005 DO**

24. Chloroquine Retinopathy **2007 DO**
25. Chloroquine Retinopathy **2009 (MS)**
26. Branch retinal vein thrombosis **2005 DO**
27. Central retinal vein occlusion **2002 DO**
28. Pan retinal photocoagulation **2000 DO**
29. 90-day glaucoma **2006 (Dec) DO**
30. Neo-vascular glaucoma **1996 Second paper.**
31. Amaurosis fugax **2005 DO**
32. Amaurosis fugax **1999 (June) third paper**
33. Cherry-red spot **2005 DO**
34. Neurotransmitters in the retina **2005 DO**
35. Ultrasonography in ophthalmology **2002 DO**
36. Ultrasonography **1999 (Dec) third paper**
37. Indocyanine green angiography **1999 Fourth Paper**
38. Dikthyoma **1989 (July) DO**
39. Management of ARMD **2009(DO) 3rd paper**

Uveitis

1. Describe the aetiopathogenesis, investigations and management of granulomatous uveitis. **2006, 2009 Second paper.**
2. Discuss the current trends in the investigation and management of uveitis. **2005 Fourth Paper**
3. Describe the aetiology, clinical features and management of intermediate uveitis. **2007 DO**
4. Discuss the management of acute anterior uveitis. **1999 Second paper.**
5. Discuss the ocular changes in AIDS **2003 DO**
6. Describe the ocular manifestations of AIDS. **2002 DO**
7. Describe the ocular manifestations of AIDS. What preventive measures are needed to protect ophthalmic staff from the AIDS virus? **1998 Second paper.**
8. Describe the ocular manifestation of tuberculosis. **2002 (July) DO**
9. What are the ocular manifestations of tuberculosis? Describe the pathology of Eales disease. **1998 Second paper.**
10. Describe the pathology and ocular manifestation of leprosy **1999 (July) DO**
11. Discuss the pathology and ocular manifestations of leprosy. **1999 (June) third paper**
12. Discuss the ocular lesions of syphilis **1990 third paper.**
13. Discuss recent advances in the prevention and management of endophthalmitis. **1998 Fourth Paper**
14. Outline the detail the management of endophthalmitis. **2001 Second paper.**
15. Discuss the etiology and management of postoperative endophthalmitis. What are the recommendations of endophthalmitis Vitrectomy study? **2006 third paper**
16. What are the drugs used for intravitreal therapy? Write its indications and

- complications. **2007 Fourth Paper**
17. Discuss in detail management strategies of post-cataract surgery inflammation. **2003 DO**
 18. Describe the systemic & laboratory working of a patient with endogenous uveitis. **2003 DO**
 19. Discuss the recent advances in diagnosis & management of uveitis. **2009(MS) 4th paper**

Short notes:

1. Ocular disorders in AIDS **2004 (Dec) Second paper.**
2. Discuss briefly (short notes) the ocular manifestations of AIDS; **2000 Fourth**
3. Fundus changes in AIDS **2000 DO**
4. Ocular manifestations in AIDS **1996 Second paper.**
5. Acute retinal necrosis **2006 (Dec) DO**
6. Vogt Koyanagi syndrome **2000 third paper**
7. Ocular affection of sarcoidosis **2004 (June) Second paper.**
8. Ocular manifestations of Juvenile rheumatoid arthritis **2000(June) Second paper**
9. Immunosuppressives in uveitis **2006 third paper**
10. Immunosuppressives in ophthalmic practice **2001 Fourth Paper**
11. Masquerades syndrome. **2003 DO**
12. Chronic endophthalmitis **1996 Fourth Paper**
13. Management of vitreous hemorrhage in EALE'S disease **2009(DO)**

Glaucoma

1. Discuss the Neuroprotective Antiglaucoma drugs. **2005 ,Second paper**
2. Discuss different types of drugs used in medical management of primary open angle glaucoma with their toxicity and contraindications. **2004 third paper**
3. Discuss in details the role of newer drugs in glaucoma with special reference to neuroprotection. **2000 Fourth Paper**
4. Discuss the medical management of open angle glaucoma. **2003 DO**
5. Discuss the medical management of open-angle glaucoma. **2007 DO**
6. Discuss aetiopathogenesis of primary closed angle glaucoma. Describe its clinical features & management. **1999 DO**
7. Describe the anatomy of the tissue involved in glaucoma surgery? What are the causes of failure in glaucoma surgery? What are possible solutions? **1998 third paper**
8. Discuss the different causes of shallow anterior chamber after glaucoma and other intraocular Surgeries. Discuss the management. **2005 third paper**
9. Describe the common surgical procedure for the management of open angle glaucoma. **2009(DO) 3rd paper**
10. Discuss the management of congenital glaucoma. **2009 (MS) 3rd paper**

Short notes:

1. Buphthalmos **2003 third paper**
2. Secondary open angle glaucoma_1999 **DO**
3. Pseudo-exfoliation syndrome**2005 ,Second paper.**
4. Malignant glaucoma**2003 Second paper.**
5. Malignant glaucoma. **2000 Fourth Paper**
6. Posner-Schlossman syndrome**2005 DO**
7. Fuchs Corneal dystrophy **1987 Second paper**
8. Sturge weber syndrome**2002 (July) DO**
9. Phakomatoses**2000 DO**
10. Problems of medical control of glaucoma. **2001 Second paper.**
11. Provocative test for angle closure glaucoma **2001 Second paper.**
12. Faden Operation **2005 third paper, 2009 (DO)3rd paper**
13. Newer drug modalities in the of glaucoma **2001 third paper**
14. Betablocker**2006 (June) DO**
15. beta Blockers used in ophthalmology **2000 DO**
16. Non-penetrating Glaucoma Surgery**2007 DO**
17. Newer drugs in management of glaucoma **1999 Second paper.**
18. Visco canalostomy **2006 third paper**
19. Implants in glaucoma surgery**2006 third paper**
20. Applanation Tonometry **1999 (Dec) third paper**
21. Neuroprotective antiglaucoma drug **2009(DO)**
22. Uses of antimetabolites in in glaucoma surgery **2009(MS) 3rd paper**

Sclera, Cornea & Conjunctiva

1. Describe the etiology and clinical features of herpetic keratitis. What are the recommendations of Herpetic Eye Disease Study? **2006 (Dec) DO**
2. Describe the histopathological features of anterior staphyloma. Write down the aetiopathogenesis of anterior staphyloma. **2000 DO**
3. Discuss the clinical features, diagnosis and management of fungal corneal ulcer **1989 DO**
4. What are the different types of superficial keratitis? Describe the pathology and clinical features Rosacea keratitis. **1990 DO**
5. What are the different types of viral keratitis? Describe the clinical features, complication, and management of herpes zoster ophthalmicus?**2009 (MS)**

Short notes:

1. Corneal Topography **2007 Fourth Paper**
2. Epidemic Keratoconjunctivitis_1996 (Dec) **DO**
3. Lepromatous pannus**2006 (Dec) DO**
4. Interstitial Keratitis **2006 DO**
5. Disciform keratitis **2005 DO**
6. Laboratory diagnosis of corneal ulcers **2002 DO**
7. Indolent corneal ulcer **2005 ,Second paper.**
8. Management of Fungal corneal ulcer **2000 third paper**
9. Symblepharon**2006 (June) DO**

10. Mooren's ulcer **2006, Second paper.**
11. K. F. ring **2006 (June) DO**
12. Keratoconus **2000 DO**
13. Keratoconus **2006 DO**
14. Limbal stem cell transplantation **2000 third paper**
15. Limbal stem cell transplantation. **2004 Fourth Paper, (MS)2009 4th paper**
16. Bowen's tumour **1990 (July) DO**
17. Recurrent pterygium **1990 Fourth paper**
18. KF ring **2009 (DO) 3rd paper**
19. Management of recurrent pterygium. **2009 (MS) 3rd paper**

Refractive Surgery

1. What are the different types of keratoplasty? What do you mean by 'graft rejection'? Describe the management of suspected graft rejection. **2000 DO**
2. Discuss the types of corneal preservations. Describe detailed steps of penetrating keratoplasty. **1990 third paper.**
3. Write the indications, contraindications and complications of penetrating keratoplasty. **2007 third paper**
4. Write what you know about lamellar keratoplasty. **2005 third paper**
5. Discuss the modern trends in refractive corneal surgery. **2006 Fourth Paper**
6. Describe refractive corneal surgery. **2003 Fourth Paper**
7. What are the various complications of penetrating keratoplasty and their management? **2006 (Dec) DO**
8. Name various procedures used in the correction of refractive errors. Describe the advantages & disadvantages of each procedure. **1998 third paper**
9. Discuss the advantages and disadvantages of various methods used to treat hypermetropia. **1998 Fourth Paper**
10. Discuss merits and demerits of different modalities of management of myopia. **2000 (June) Second paper.**
11. Write indication, contraindication & complication of penetrating keratoplasty? **2009 (MS) 3rd paper**

Short notes:

1. Physics of excimer and indications of phototherapeutic keratectomy (PTK) **2000 (June) Second paper.**
2. Laser Thermal Keratoplasty and Conductive Keratoplasty **2007 DO**
3. Excimer laser **1999 Fourth Paper**
4. Surgical treatment of presbyopia **2005 third paper**
5. Surgical treatment of Myopia **2007 Fourth Paper**
6. Recent advances in the management of refractive errors **2001 Fourth Paper**
7. Phakic IOL for myopia **2009 (MS) 4th paper**

Orbit

1. What is blow-out fracture of orbit? Discuss its management **2005, Second paper.**
2. Describe the mechanism of blow out fracture of orbit. Describe the clinical features & management. **2002 DO**
3. What is blow out fracture of orbit? How will you diagnose and manage such a case? **1996 third paper**
4. Aetiology, Clinical features' investigations and management of unilateral proptosis. **2003 Second paper.**
5. Discuss the clinically important differential diagnosis of childhood proptosis. How would you manage orbital cellulitis? **2001 third paper**
6. Discuss the management of of a case of unilateral proptosis. **2004 Fourth Paper**
7. How will you investigate a case of Proptosis? **2005 DO**
8. Investigations In a case of proptosis. **1999 (Dec) third paper**
9. What are manifestations of thyroid dysfunction in the eyes? **2006 (Dec) DO**
10. Describe the pathology, clinical features and treatment of a case of thyroid related orbitopathy. **2002 DO**
11. Classify orbital neoplasm. Discuss the clinical picture and pathology of optic nerve tumours. **1987 DO**
12. Describe the importance of imaging to detect different types of ocular & orbital pathology. **2002 (July) DO**
13. Discuss the recent modalities of in diagnosis & management of proptosis. **(MS)2009 4th paper**

Short notes:

1. Pseudo tumours of orbit **2004 (Dec) Second paper.**
2. Blow out fracture 2003 **Second paper.**
3. Blow-out fracture of the orbit **2000 DO**
4. Unilateral proptosis **2009 (DO) 2nd paper**

Neurophthalmology and Strabismus:

1. Discuss the aetiology, clinical features and management of acquired third nerve palsy. **2006, Second paper.**
2. Describe aetiology, clinical features and treatment of acute optic neuritis. **1994 (July) DO**
3. Discuss the investigations and management of optic nerve glioma with a note on its pathology. **2001, Second paper.**
4. How will you manage a patient of bilateral papilloedema? **2006 (June) DO**
5. What is papilloedema. Describe the pathogenesis & clinical features of such a case due to raised intracranial pressure. **2002 (July) DO**

6. Describe the management of a patient who presented to you with the complain of diplopia. **1999 (July) DO**
7. Discuss the management of patient who presented to you with the complaint of diplopia. **1999 (June) *third paper***
8. Discuss the role of visual field charting in neurological disorders**2003 DO**
9. Discuss heterophoria **2003 *Second paper***.
10. Discuss the diagnosis and management of paralytic strabismus. **1996 *third paper***

Short Notes:

1. Temporal arteritis 2007, ***Second paper***.
2. Painful ophthalmoplegia 2007, ***Second paper***.
3. Chronic Progressive External Ophthalmoplegia**2006 (June) DO**
4. Papilledema **2003 *Fourth Paper***
5. Duane's Retraction Syndrome 1996 ***Second paper***.
6. Duane's retraction syndrome **2005 ,*Second paper***
7. Superior oblique sheath syndrome **2001 *third paper***
8. Hereditary optic neuropathy**2005 DO**
9. Diagnosis and management of optic neuritis**2001 *Fourth Paper***
10. Neuroretinitis **2006 (Dec) DO**
11. Optic neuritis treatment trial**1999 *Fourth Paper***
12. Double Elevator Palsy **2006 (Dec) DO**
13. Morning Glory Disc Anomaly **2007 DO**
14. Ocular myasthenia **2006 (Dec) DO**
15. Eye changes in myasthenia gravis**2000 DO**
16. Myasthenia gravis **1996 *third paper***
17. Botulinum toxin **1999 *Second paper***.
18. Pseudotumour cerebri**2003 DO**
19. Nystagmus **2002 DO**
20. Optic atrophy after head injury **1998 *Second paper***.
21. Partial bitemporal hemianopia **1998 *Second paper***.
22. Electrophysiological tests in ocular disorders**2001 *third paper***
23. Ocular manifestation in a case of pituitary tumor **1989 *second paper***.
24. Field defects in Pituitary tumours**2000 *Fourth Paper***
25. Cortical blindness **2004 (June) *Second paper***
26. Marcus Gunn pupil **1988 *second paper***
27. Ocular aspect of a space occupying leison in a cerebello palatine angle **1989 *second paper***.
28. Ocular changes in methyl alcohol poisoning **1989 *second paper***.
29. Dyslaxia **1989 *second paper***.
30. Management of esotropia **2001 *third paper***
31. Prevention of amblyopia in children**1998 *Second paper***
32. Amblyopia **2009 (DO)^{2nd} paper**

Community Ophthalmology

Short Notes:

1. Role of vitamin A in ophthalmology **2007 third paper**
2. Vitamin A deficiency in your community, its prevention and management **2001 Fourth Paper**
3. Discuss nutritional blindness in India. How will you plan to tackle the problem in your place? **1996 Fourth Paper**
4. The relevance of the National Programme for Control of Blindness in the year 2000 **2001 Fourth Paper**
5. School Eye Screening Programme **2000 Fourth Paper** (b) District Blindness Control Societies (DBCS) **2000 Fourth Paper**
6. Describe national programme for control of blindness. **1999 Fourth Paper**
7. Phaco and its role in your community today **2001 third paper**

Lacrimal System

1. Discuss the clinical features, diagnosis and management of Sjogren's Syndrome **1987 DO**

Short notes:

1. Pathology of lacrimal neoplasm. **2001 Second paper.**
2. Congenital epiphora **2003 DO**
3. Jones dye test **2005 DO**
4. Dry Eye Syndrome **1999 (Dec) third paper**
5. Management of dry eyes **1998 Fourth Paper**
6. Sjogren Syndrome. **2003 Fourth Paper**
7. Bechet syndrome **2009(DO) 3rd paper**

Trauma

1. Describe the methods of localisation of intraocular foreign body. How will you manage it? **2007, Second paper.**
2. Discuss the aetiology, symptom, signs and management of sympathetic ophthalmitis. **2006 (Dec) DO**
3. Management of traumatic hyphaema **2009 (DO) 3rd paper**

Short Notes:

1. Siderosis bulbi **2005 DO**
2. Chemical injury of eye **2006 (Dec) DO**
3. Hyphaema **2006 DO**
4. Eight ball hyphaema **2005 DO**
5. Sympathetic ophthalmia **2003 DO**
6. Sympathetic Ophthalmology **2003 Fourth Paper**

Lids

1. Discuss the principles of lid reconstruction. How will you manage a patient

- with squamous cell carcinoma of lateral half of upper lid? **2006 (Dec) DO**
2. Discuss the clinical features & management of Unilateral ptosis in a twenty years old boy. **1996 (Dec) DO**
 3. Describe pros & cons of various type of surgery for ptosis. **1992 May Fourth paper**
 - 4.

Short Notes:

1. Management of congenital ptosis **2000 third paper**
2. Entropion surgery **2000 third paper**
3. Tarsorrhaphy **2000 DO**
4. Xanthelasma of Lids **2006 DO**
5. Floppy eyelid syndrome **2005 DO**
6. Basal cell carcinoma of the lid **2000 DO**
7. Molluscum Contagiosum **1994 (July) DO**
8. Rodent Ulcer **1987 DO**

Miscellaneous

1. Describe the role of ophthalmologist in the management of a patient of head injury. **2006 DO**
2. Describe the role of an ophthalmologist in the management of a case of Head Injury. **2005 DO**
3. Describe the different aging changes in anterior and posterior segments of eye. **2000 DO**
4. Discuss the changes that may occur in a pregnant women's eye and outline their management. **1996 (July) DO**
5. Discuss the iatrogenic diseases of eye **1994 (July) DO**
6. Discuss the ocular manifestation that may occur in diseases of blood. **1987 DO**
7. Discuss the use of Laser in ophthalmology. **1996 Fourth Paper**
8. Discuss different types of anaesthesia used in ophthalmology. **2004 third paper**

Short Notes:

1. Discuss LASER in Ophthalmology. **2003 third paper**
2. Steven Johnson syndrome 2007, **Second paper.**
3. Low visual aids **2004 (Dec) Second paper.**
4. Low vision aid **2003 third paper**
5. Reduced eye **2004 (Dec) Second paper.**
6. Reduced eye **2005 DO**
7. Sturm's conoid **2005 DO**

8. Confirmation of subjective refraction **2005 DO**
9. Space myopia **1996 *third paper***
10. Therapeutic uses of contact lenses **1998 *Fourth Paper***
11. Malingering in relation to ophthalmology **1999 (*June*) *third paper***
12. Malingering in relation to ophthalmology **1999 (July) DO**

13. Ophthalmo dynametry **2002 (July) DO**
14. Misuse of steroid in Ophthalmology
15. Perfluorocarbon **1998 *Fourth Paper***
16. Local anaesthetics and their techniques in intraocular surgery **2001 *third paper***
17. Sterilisation of ophthalmic instruments **1987 Dec Third paper**
18. Maltano implant **2009 (MS) 3rd paper**