

OPHTHALMOLOGY

1) ANATOMY

LONG QUESTIONS

- 1) Discuss the theories of aqueous humour formation, circulation and drainage. 4+3+3 ('15)
- 2) Describe the anatomy & physiology of lens. What is mechanism of accommodation? 4+3+3 ('16)

SHORT NOTES

- 1) Vitreous hemorrhage ('10)

2) REFRACTION AND ACCOMODATION ERROR

LONG QUESTIONS

- 1) Describe the anatomy of physiological lens. What is the mechanism of accommodation? ('13)
- 2) Briefly discuss the various methods of determination of visual acuity? ('10)

SHORT NOTES

- 1) Pathological Myopia. ('11,'14)
- 2) Hypermetropia. ('12)
- 3) Complications of myopia. ('08,'05)
- 4) Myopia. ('15,'09,'03)
- 5) Presbyopia. ('05, '17)
- 6) Anisometropia. ('04)
- 7) Treatment of Myopia ('18)

3) EYELID

LONG QUESTIONS

- 1) Describe the anatomy of upper eyelid with a labelled diagram. 7+3 ('14)
- 2) Write in brief with a diagram structure of upper eyelids. ('05)
- 3) What are the causes of Entropion of Eye lid? What may its complications? ('94)

SHORT NOTES

- 1) Symblepharon.
- 2) Entropion. ('13)
- 3) Blepharitis ('00)
- 4) Ptosis ('99)
- 5) Hordeolum internum ('98,'94)
- 6) Lagophthalmos ('96)

4) CONJUNCTIVA

LONG QUESTIONS

- 1) Describe the anatomy of conjunctiva. ('11)

- 2) Discuss pupillary reactions, with special reference to their basis and clinical significance. ('10)
- 3) Write down the differential diagnosis of red eye. ('07)
- 4) What do you mean by Xerosis of Conjunctiva? What are the different types of Xerosis of conjunctiva & what are the causes? Write down different stages of Vit. A deficiency and describe its management. ('02)

SHORT NOTES

- 1) Pterygium. ('15,'00)
- 2) Management of recurrent Pterygium ('08, 17)
- 3) Vernal conjunctivitis. ('05,'07,'11)
- 4) Phlyctenular Conjunctivitis. ('03, 17)
- 5) Bitot's spot. ('01)
- 6) Subconjunctival hemorrhage ('00)
- 7) Xerosis of conjunctiva ('98)
- 8) Pannus ('95,'94)

5) CORNEA

LONG QUESTIONS

- 1) Describe in brief the management of a case of a bacterial corneal ulcer. How would you treat a non-healing ulcer? Enumerate the complications of corneal ulcers. 5+3+2 ('15)
- 2) Describe the clinical features of uncomplicated bacterial corneal ulcer. Outline its management. ('08,'01)
- 3) Describe in brief the different layers of cornea with diagram mentioning the special clinical significance related to each of them. ('07)
- 4) Discuss etiology, clinical features, complications and management of Herpes Zoster ophthalmicus? ('03)
- 5) Describe the sign symptoms and complications of a case of progressive corneal ulcer? How do you treat such a case? ('99)
- 6) Describe the clinical features of Hypopyon Corneal Ulcer? How do you manage such a case? ('96)
- 7) What is keratoplasty? What are types? How will you collect the donor cornea & how will you preserve it? 2+2+4+2 (17)

SHORT NOTES

- 1) Clinical features of vernal kerato-conjunctivitis. ('13)
- 2) Bacterial corneal ulcer. ('12)
- 3) Indications of keratoplasty. ('09)
- 4) Keratoplasty. ('08)
- 5) Cycloplegics. (04)
- 6) Hypopyon. ('02,'98,'94)
- 7) Transparency of the cornea ('01)
- 8) Hypopyon corneal ulcer (16)

6) SCLERA

SHORT NOTES

- 1) Staphyloma ('02,08,12,16)
- 2) Posterior staphyloma ('04)

7) UVEA

LONG QUESTIONS

- 1) Describe the clinical features, management & complications of acute anterior uveitis? 3+4+3 ('04)
- 2) What are the causes of Red eye? Write in brief about their differential diagnosis with management. ('12)
- 3) Write down differential diagnosis of Red eye. 10 ('07)
- 4) A patient attended Eye OPD with painful Red congested eye with semi-dilated pupil. What is your diagnosis and what investigation will you do to confirm your diagnosis? Write in brief the management of the patient? 5+5+5 ('04)

SHORT NOTES

- 1) Red Eye. ('10)
- 2) Keratic precipitates. ('09)
- 3) Ring synechia ('02)
- 4) Phthisis bulbi ('02)
- 5) Ciliary congestion ('01)
- 6) Endophthalmitis ('18)
- 7) Keratic precipitate ('18)

8) LENS**LONG QUESTIONS**

- 1) What are the causes of seeing rainbow Halo around light? Describe the management of one such case having severe pain in the eye. 3+7 ('15)
- 2) A patient comes with Rainbow Haloes. How will you diagnose the case? ('13)
- 3) What are causes of seeing Rainbow Halo? Describe the management of one such case following severe pain in eye. ('11)
- 4) What is Aphakia? What is difference between aphakia & pseudophakia? How do you manage a case of unioctular aphakia after cataract operation due to trauma? (On a patient of 20 yrs. of age) 10 ('01)
- 5) What are the points you should note in a cataract case before surgery, both for avoiding complications & better visual result? 12 ('98)
- 6) How do you prepare a patient before cataract operation? How do you predict the outcome of cataract surgery? 7+3 (16)
- 7) Enumerate the post-operative complication of cataract surgery. Briefly outline the treatment of any one of them. 6+4 (17)
- 8) A 65 years old patient presented with gradual painless dimness of vision in both eyes during last 2 years. Discuss the differential diagnosis and management. ('18)

SHORT NOTES

- 1) SICS. ('13)
- 2) Biometry. ('12)
- 3) Capsulotomy in cataract extraction. ('11)
- 4) Morgagnian cataract. ('11)
- 5) Early postoperative complication following cataract surgery. ('09)
- 6) Hypermature cataract. ('09, 04,99)
- 7) Phacolytic glaucoma. ('08)
- 8) After cataract. ('05)
- 9) Pseudophakia. ('05)
- 10) Hyphaemia ('04)

- 11) Complicated cataract. ('03)
- 12) IOL ('99)
- 13) Convex lens. ('01)
- 14) Astigmatism ('00)
- 15) Contact lens, ('00)
- 16) Lamellar cataract ('98,'94)
- 17) Posterior capsular opacification (17)
- 18) Biometry('18)

8) LACRIMAL APPARATUS

LONG QUESTIONS

- 1) Briefly discuss the symptoms, signs and management of case of chronic dacryocystitis. ('10)
- 2) Write brief the anatomy of the lacrimal apparatus with a labelled diagram. ('08)
- 3) What is chronic dacryocystitis? Describe the steps of dacryocystorhinostomy ('16)
- 4) Describe the anatomy of lacrimal apparatus with a labelled diagram. Enumerate the causes of watering of eye. ('18)

SHORT NOTES

- 1) Epiphora. C98:15)
- 2) Acute dacryocystitis. ('13)
- 3) Dacryocystorhinostomy (09)
- 4) Congenital dacryocystitis. (03, 05)
- 5) Syringing of the lacrimal passage. ('12)

9) GLAUCOMA

LONG QUESTIONS

- 1) How would you diagnose a case of open angle glaucoma and follow up such patient? ('10)
- 2) Describe intraocular pressure? Discuss different conditions where the intraocular pressure is low. ('09)
- 3) Describe clinical features and management of a patient suffering from an acute attack of angle closure glaucoma. ('05)
- 4) Describe the anatomy of the angle of anterior chamber of eye ball? Write in short your plan for medical treatment of open angle glaucoma? ('01)
- 5) Discuss the symptoms, sign & management of acute congested glaucoma? ('98)
- 6) Describe symptoms, signs and management of acute attack of angle closure glaucoma.('18)

SHORT NOTES

- 1) Field changes in Primary open angle glaucoma ('15)
- 2) Pan-ophthalmitis. ('14)
- 3) Trabeculectomy. ('14, 07)
- 4) Absolute glaucoma. ('02,'96)
- 5) Acute congestive glaucoma of one eye. ('97)
- 6) Phacolytic glaucoma (08, 16)
- 7) Anti-glaucoma drugs. (16)
- 8) Buphthalmos (17)

10) RETINA

LONG QUESTIONS

1) A child of 3 yrs. age presented with a White reflex behind the pupil. Discuss the differential diagnosis and management in brief. ('04,'96)

SHORT NOTES

- 1) Diabetic retinopathy. ('11)
- 2) Enucleation. ('11)
- 3) Macula lutea. ('01)
- 4) Retinoblastoma ('16)
- 5) Enucleation('18)

11) IRIS**LONG QUESTIONS**

- 1) Describe signs, symptoms and management of acute iridocyclitis ('11)
- 2) Describe the clinical features of iridocyclitis. How do you differentiate it from acute attack of primary angle closure glaucoma? ('08)
- 3) Describe the symptoms and sign of acute iridocyclitis? How do you differentiate it from acute congested glaucoma? How do you treat such a case? ('00,'98,'94)

12) OCCULAR TRAUMA**LONG QUESTIONS**

- 1) A seven years old boy was hit by a cricket ball in one eye. Enumerate the possible damage in each of the ocular structures expected in such a case. Describe the options for treatment/manage in each injury. 7+3 ('00,'14)
- 2) Describe the effect of blunt trauma in the eye ('12)
- 3) A young adult patient presents with a history of blunt injury by blow in one eye. Discuss the possible lesions in brief and their management. ('05)
- 4) A player sustain injury in the eye by a cricket ball. What are the possible effects of injury in different structures of eye? What first-aid will you offer in such a case? ('99)

SHORT NOTES

- 1) Removal of Corneal foreign body. ('13)
- 2) Evisceration. ('14,'12)
- 3) Paracentesis ('07, 16)
- 4) Commotio Retinae. ('03)
- 5) Siderosis bulbi. ('01)
- 6) Alkali burn of eye.('18)

13) COMMUNITY OPHTHALMOLOGY**LONG QUESTIONS**

- 1) Enumerate the causes of night blindness. Write down the clinical features and management of Vit. A deficiency. ('13)
- 2) Write down the different stages of Vit. A deficiency and describe its management. ('12)
- 3) How do suspect Vit. A deficiency in a child? What are the effects in the eye in this deficiency? How do you prevent it? ('00)
- 4) What is night blindness? What are its causes? How do you investigate such a case and advice treatment? ('99)

SHORT NOTES

- 1) Eye banking and keratoplasty. ('15)
- 2) Vision 2020. ('15,'07)
- 3) Dilated pupil in one eye. ('10)
- 4) Nutritional blindness ('17)

14) OCCULAR PHARMACOLOGY**SHORT NOTES**

- 1) Side effects of topical corticosteroids. ('10)

15) OCCULAR MOTILITY**LONG QUESTIONS**

- 1) Discuss briefly the management of esotropia in a 2-year-old. ('10)
- 2) Describe origin, insertion, nerve supply and actions of extra-ocular muscles. ('09)

SHORT NOTES

- 1) Binocular vision. ('13)
- 2) Management of right convergent squint. ('08)

16) NEURO OPHTHALMOLOGY**LONG QUESTION**

- 1) Describe the path of light reflex with diagram. ('12)
- 2) Draw a schematic diagram of pupillary light reflex. Mention the drugs acting on pupil. 6+4 ('17)

SHORT NOTES

- 1) Papilledema ('99)

17) MISCELLANEOUS**LONG QUESTIONS**

- 1) Enumerate the possible causes of sudden painful dimness of vision in a 35 years old female patient. Briefly discuss the signs, symptoms and management of any one of the cause. 3+3+4 ('14)
- 2) Write down the causes of gradual and painless loss of vision and their differential diagnosis. ('09,'94)
- 3) Write down the differential diagnosis of sudden loss of vision. ('07)
- 4) What are the causes of sudden loss of vision in one eye? What investigations do you suggest? ('06)

SHORT NOTES

- 1) Use of laser in eye. ('14)