



- xii. Which of the following are clinical features of retro bulbar neuritis
- 1) Pain on eye movement
  - 2) Relative Afferent Pupillary Defect (RAPD)
  - 3) Hyperemic optic disc
  - 4) Decreased color vision
- a) 1, 4                                      b) 3, 4                                      c) 1, 2, 4                                      d) 1, 3, 4
- xiii. Which of the following are true about retinoblastoma
- 1) It is the most common intraocular malignancy in children
  - 2) Leucocoria is a common presenting sign
  - 3) It is associated with mutations in the TP53 gene
  - 4) Hereditary cases are associated with bilateral involvement
- a) 1, 3, 4                                      b) 3, 4                                      c) 2, 3, 4                                      d) 1, 2, 4
- xiv. Which of the following conditions can lead to corneal neovascularization
- 1) Contact lens overuse
  - 2) Trachoma
  - 3) Viral keratitis
  - 4) Stevens-Johnson syndrome
- a) 1, 3                                      b) 1, 2, 4                                      c) 2, 3, 4                                      d) All
- xv. Which of the following are complications of cataract surgery
- 1) Endophthalmitis
  - 2) Posterior capsular opacification
  - 3) Cystoid macular edema
  - 4) Retinal detachment
- a) 1, 2, 3                                      b) 3, 4                                      c) 2, 3, 4                                      d) All

**Question numbers xvi-xx are single-response type questions**

- xvi. A 45 year old diabetic patient complaints of decreased vision when he goes out in bright daylight for the last six months. He is more comfortable indoor. He does not have eye pain or any other complaint. What is the probable diagnosis
- a) Cuneiform cataract
  - b) Cupuliform cataract
  - c) Mature cataract
  - d) Morgagnian cataract
- xvii. Aniridia means
- a) Absence of Iris
  - b) Absence of Lens
  - c) Absence of Ciliary body
  - d) Absence of Retina
- xviii. A boy gets hit by a tennis ball in the eye following which he has blurred vision in that eye. Which of the following can happen due to the blunt injury by the ball
- a) Pars planitis
  - b) Commotio retinae
  - c) Scleritis
  - d) Retinal vasculitis
- xix. According to NPCB & VI criteria, Blindness is defined as visual acuity of less than
- a) 6/18
  - b) 6/60
  - c) 3/60
  - d) 1/60
- xx. The total refractive power of normal adult cornea in
- a) 30-35 D
  - b) 40-45 D
  - c) 50-55 D
  - d) 60-65 D

**Long Essays:**

**(2x10=20)**

2. A 25-year-old male complains of acute onset redness, pain, and photophobia in his right eye for the last two days. He has a history of contact lens use and admits to occasional non-compliance with lens hygiene. On examination, there is circumcorneal congestion, and fluorescein staining shows a central corneal ulcer with surrounding edema.
  - a) What is the most likely diagnosis.
  - b) List two differential diagnoses.
  - c) How will you manage this condition.
  - d) Mention the preventive measures for this condition in contact lens users.
3. Discuss in detail stages, clinical features and management of angle closure glaucoma.

**(1+2+4+3)**

**Short Essays:**

**(6x6=36)**

4. Describe types of Astigmatism.
5. Vitamin A deficiency.
6. Entropion.
7. Interstitial Keratitis.
8. Extra ocular muscles- actions and nerve supply.
9. Chemical injury to eye.

**Short Answers:**

**(6x4=24)**

10. Mention causes of cherry red spot.
11. Layers of tear film.
12. Types of IOL.
13. Indications of keratoplasty.
14. Causes of Proptosis.
15. Leucocoria.

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