



All India Institute of Medical Sciences, Kalyani
Third Professional Part-I MBBS Examination 2022

Time: 3 Hrs.

Ophthalmology

Marks: 100

INSTRUCTIONS:

- Answer all questions.
- Illustrate your answers with well labelled diagram wherever necessary.
- Answer each section in a separate answer book.

SECTION – A (50 MARKS)

Long answer question:

[5X2=10]

1. A 52-year-old female presents with pain, redness, photophobia in right eye since 6 days. Visual acuity in right eye is 1/60 and left eye 6/9. Slit lamp examination shows a central, dry looking ulcer with 2mm hypopyon in right eye.

- What is your probable diagnosis? Explain with reasons.
- Differentiate between bacterial & fungal corneal ulcer.
- What investigations you will advise in this case?
- How will you treat this case?
- What complications will occur if left untreated?

Write Short notes on:

[8X5=40]

2. A-28-year old male complains of pain & redness in right eye for 3 days. On examinations there is keratic precipitates, aqueous cells & flare. (3+2=5)

- What is your probable diagnosis and discuss the clinical findings you will expect in this case.
- How will you manage this case?

3. Discuss with diagram

(2.5+2.5=5)

- Astigmatism
- Anatomy of angle structure.

4. Discuss about the anti-glaucoma medication used for primary open angle glaucoma. (5)

5. Differentiate between

(2.5+2.5=5)

- Episcleritis and Scleritis
- Endophthalmitis and Panophthalmitis

6. Discuss the clinical feature and management of Chronic Dacryocystitis

(5)

7. A 60-year-old diabetic patient complains of diminution of vision in right eye. On examination, she has a white reflex in right eye. Vision in right eye is hand movement & left eye 6/6. [2+3=5]

- a) What are the causes for loss of vision?
- b) How will you manage this case?

8. Write the differences between: - [2.5+2.5=5]

- a) Acute conjunctivitis and acute congestive glaucoma.
- b) Pterygium & Pinguecula.

9. What are the clinical features and management of a vernal kerato-conjunctivitis? (5)

SECTION - B (50 MARKS)

Long answer question:

[5X2=10]

1. A 68-year-old female presents with sudden loss of vision in right eye. She is a type II diabetic for 10 years. Visual acuity is hand movements in right eye and 6/9 in left eye.

- a) What are the probable cause for visual loss?
- b) Discuss the ETDRS classification of diabetic retinopathy.
- c) What are the treatment options for diabetic retinopathy?
- d) What are the complication of diabetic retinopathy?
- e) How will you differentiate fundus picture of DR and hypertensive retinopathy?

Write Short notes on:

[8X5=40]

2. Discuss the optic nerve head changes seen in primary open angle glaucoma. (5)
3. Discuss on the Eye banking & Eye donation. (5)
4. Discuss the different stages of retinopathy of prematurity. (5)
5. Draw and discuss the difference between: - (2.5+2.5=5)
 - a) Primary retinal detachment and exudate retinal detachment.
 - b) Primary optic atrophy & secondary optic atrophy.
6. Describe the clinical feature and management of Papilledema (2.5+2.5=5)
7. What is amblyopia? Discuss its clinical feature and management. (1+2+2=5)
8. Discuss the possible injuries that may happen when a cricket ball accidentally hits the eye. (5)
9. Write short notes on: - (2.5+2.5)
 - a) Acute orbital cellulitis
 - b) Clinical features of Retinoblastoma