



All India Institute of Medical Sciences, Kalyani
Third Professional MBBS Examination, January 2024

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:

[10]

1. A 50 year old farmer complained of decrease in vision, pain, redness and watering after injury to the right eye by tail of the cow. On examination visual acuity in right eye was 6/60, ciliary congestion with whitish infiltrate on the cornea. (1+4+2+3)
 - a. What is the most likely diagnosis?
 - b. Outline management of this case.
 - c. What are the likely complication?
 - d. What is the difference between bacterial keratitis and fungal keratitis?

Write Short notes on:

[8X5=40]

2. Herpes Zoster Ophthalmicus
3. Degenerative Myopia
4. Vernal Keratoconjunctivitis
5. Acute Dacryocystitis
6. Tests to assess post-operative visual prognosis in a patient with mature cataract
7. Visual field defects detected by Automated Perimetry, in Primary Open Angle Glaucoma
8. Chalazion of upper eye lid
9. Role of steroids in management of eye diseases

SECTION - B (50 MARKS)

Long answer question:

[10]

1. A 65 years old female with type 2 diabetes mellitus presented with gradual decrease vision in both eyes. Best corrected visual acuity is 6/60 in right eye and 6/24 in left eye. (2+3+2+3)
 - a. Write the possible causes of decrease vision in this case?
 - b. What are the clinical signs of diabetic retinopathy?
 - c. Which systemic and ocular investigations you will advise?
 - d. What are the treatment options in diabetic retinopathy?

Write Short notes on:

[8X5=40]

2. BRVO.
3. Primary optic atrophy.
4. Exudative retinal detachment.
5. Keratic precipitates.
6. Stages of ROP.
7. Importance of timely management of Congenital cataract.
8. Neovascular glaucoma.
9. A 16year old boy comes to emergency OPD with chemical injury to his right eye. (2.5+2.5)
 - a. How you will grade the severity of the injury?
 - b. How you will manage the case?