



**All India Institute of Medical Sciences, Kalyani**

**Third Professional MBBS Supplementary Examination, March 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 65-year male presents with gradual diminution of vision in both eyes. Visual acuity in the right eye is 6/60 and left eye is 1/60. On examination, he is diagnosed as suffering from bilateral immature cataract. (2+2+2+2+2=10)
  - a. What is the differential diagnosis?
  - b. Is there any role of spectacle prescription in lenticular sclerosis?
  - c. What preoperative investigations are done in cataract operation?
  - d. What is the ideal method of cataract surgery and why?
  - e. When manual small incision cataract surgery is preferred?

**Write Short notes on:**

**[8×5=40]**

2. Myopia
3. Pterygium
4. Management of viral corneal ulcer
5. Visual field changes in Primary Open angle Glaucoma
6. Chronic Dacryocystitis
7. Fungal corneal ulcer
8. Biometry
9. What are the causes of proptosis? Describe the clinical signs of thyroid ophthalmopathy.

(1.5+3.5)

**SECTION – B (50 MARKS)**

**Long answer question:**

**[10]**

1. A 65-year-old male with type II diabetes mellitus presented with gradual decreased vision in both eyes. Best corrected visual acuity is 6/36 in right eye and 6/24 in left eye.

(4+2+2+2=10)

- a. Discuss the clinical signs of diabetic retinopathy.
- b. What are the causes of vision loss in diabetic retinopathy?
- c. What investigations will you do in this case?
- d. What treatment will you provide to the patient?

**Write Short notes on:**

**[8×5=40]**

2. Papilloedema
3. Branch Retinal Vein Occlusion (BRVO)
4. Anterior uveitis
5. Eye Banking
6. Anti-glaucoma drugs
7. Acute angle closure attack
8. Possible effects of cricket ball injury in the eye
9. Retinopathy of prematurity