

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (OPHTHALMOLOGY) EXAMINATION – OCTOBER 2023

Date:- 4th October 2023

Time:- 1.00 p.m. – 4.00 p.m.

ESSAY PAPER

Answer all four (04) questions.

Answer each question in a separate book.

1. A 75-year-old patient with history of right eye penetrating keratoplasty one week back attended emergency eye department with pain, redness and blurred vision in the same eye.
 - 1.1. What are the possible causes for the above presentation? (20%)
 - 1.2. How would you evaluate this patient? (20%)
 - 1.3. List the indications, intra operative complications and post operative complications of penetrating keratoplasty and endothelial transplant. (40%)
 - 1.4. How will you manage graft rejection in the early stage? (20%)

2. A 60-year-old male patient reports a gradual loss of vision in his right eye over several months. He describes that the vision worsens when looking to the sides. Examination reveals a pale disc with diffuse visual field loss in the right eye. Left eye shows a temporal field loss with the normal fundus.
 - 2.1. List the differential diagnoses. (25%)
 - 2.2. Explain how you rule out each diagnosis. (45%)
 - 2.3. Discuss how you manage the patient. (30%)

Contd...../2-

3. You are examining a patient who underwent surgery for retinal detachment in his right eye the day before.

His intraocular pressure in the right eye is 42 mmHg.

- 3.1. What important details would you look for in his bed head ticket to find the cause of high intraocular pressure? (30%)
- 3.2. What are the relevant clinical signs you look for? (40%)
- 3.3. How would you manage this patient in the acute phase? (30%)

4. A 45-year-old taxi driver presents with a history of repeated accidents due to poor side vision.

His examination findings are as follows.

	Right eye	Left eye
Visual acuity	6/9	6/12
Intraocular pressure (mmHg)	22	32
Cup disk ratio	0.6	0.8

- 4.1. How would you evaluate this patient to arrive at a definitive diagnosis? (40%)
- 4.2. Describe how you would manage this patient. (50%)
- 4.3. What are the advantages of combination drops in glaucoma than conventional drops? (10%)