



THE COLLEGES OF MEDICINE OF SOUTH AFRICA

Incorporated Association not for gain  
Reg No 1955/000003/08

Intermediate IB Examination for the Fellowship of the  
College of Ophthalmologists of South Africa

18 July 2019

Paper 1

Ophthalmic Pathology

(3 hours)

*All questions are to be answered. Each question to be answered in a separate book (or books if more than one is required for the one answer)*

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- 1 Discuss the pathological features of the following
  - a) Orbital mucormycosis. (5)
  - b) Conjunctival Kaposi's sarcoma. (5)
  - c) Asteroid hyalosis. (5)
  - d) Types of drusen and reticular pseudo-drusen. (10)[25]
  
- 2 Write short notes on
  - a) Congenital abnormalities of the vitreous. (6)
  - b) Intraocular lymphoma. (6)
  - c) Sympathetic ophthalmia. (6)
  - d) Ocular rhabdomyosarcoma. (7)[25]
  
- 3 Write short notes on the following
  - a) The pathology of an optic nerve glioma and meningioma. (8)
  - b) The pathology/clinical significance of spontaneous venous pulsation of the optic nerve head. (5)
  - c) The main histological features of seborrhic keratosis and keratoacanthoma. (8)
  - d) Fungal keratitis. (4)[25]



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19 July 2019

Paper 2

Clinical Optics and Refraction

(3 hours)

*All questions are to be answered. Each question to be answered in a separate book (or books if more than one is required for the one answer)*

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- 1 Discuss the following topics
- a) Optical coherence tomography (OCT) under the following headings (15)
    - i) Optical principles.
    - ii) Types of OCT.
    - iii) Uses in ophthalmology.
  - b) Contrast sensitivity under the following headings (10)
    - i) Definition.
    - ii) Visual challenges associated with poor contrast sensitivity.
    - iii) Contrast sensitivity tests.
- [25]
- 2 Write short notes on
- a) Accommodation and presbyopia. (7)
  - b) Developmental myopia. (5)
  - c) Prismatic effect of lenses and the Prentice Rule. (7)
  - d) Optics of a slit lamp. (6)
- [25]
- 3 Discuss the following topics
- a) Higher order aberrations. (15)
  - b) Treatment options for monocular aphakia. (6)
- [21]