



FC Ophth(SA) Primary IA

## THE COLLEGES OF MEDICINE OF SOUTH AFRICA

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

Primary IA Examination for the Fellowship of the  
College of Ophthalmologists of South Africa

1 February 2018

Paper 1

Anatomy

(3 hours)

*All questions 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 Draw and label the apex of the right orbital cavity, including the relevant bones, foramina, muscles and nerves. [13]
  
- 2
  - a) Write short notes on the orbital part of the optic nerve. (10)
  - b) Draw the detailed arrangement of the nerve fibers in the orbital part of the optic nerve in relation to visual fields. (2)[12]
  
- 3
  - a) Describe the anatomy of the ciliary body. (5)
  - b) Use a diagram to illustrate the relationship of the ciliary body to the iris, anterior chamber, canal of Schlemm and corneoscleral limbus. (5)
  - c) Describe the innervation of the ciliary body. (5)[15]
  
- 4 Describe the lymphatic drainage of the eyelids. [5]
  
- 5 Describe briefly the gross anatomy of the cerebellum and its relationship to surrounding structures. [5]



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2 February 2018

Paper 2

Physiology

(3 hours)

*All questions 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 In point form, discuss gene therapy. [13]
- 2
  - a) In point form, discuss the physiology of the extraocular muscle fibres. (12)
  - b) Tabulate the differences between saccadic and pursuit ocular movements. (4)[16]
- 3
  - a) Draw a schematic representation of the ionic current flow around and through the crystalline lens. (5)
  - b) Discuss its relevance. (4)[9]
- 4 Write short notes on the pharmacology of antihistamines. [7]
- 5 List and briefly describe the laboratory tests available in the diagnosis and monitoring of HIV infection. [5]