



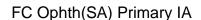
THE COLLEGES OF MEDICINE OF SOUTH AFRICA

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 (3 hours) Anatomy 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) 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)Draw the detailed arrangement of the nerve fibers in the orbital part of the optic b) nerve in relation to visual fields. (2) [12] 3 Describe the anatomy of the ciliary body. (5) a) b) Use a diagram to illustrate the relationship of the ciliary body to the iris, anterior chamber, canal of Schlemm and corneoscleral limbus. (5) Describe the innervation of the ciliary body. (5) c) [15] Describe the lymphatic drainage of the eyelids. 4 [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) 1 In point form, discuss gene therapy. [13] 2 a) In point form, discuss the physiology of the extraocular muscle fibres. (12)Tabulate the differences between saccadic and pursuit ocular movements. b) (4) [16] 3 Draw a schematic representation of the ionic current flow around and through a) the crystalline lens. (5)b) Discuss its relevance. (4)[9] Write short notes on the pharmacology of antihistamines. [7] 4 List and briefly describe the laboratory tests available in the diagnosis and monitoring of 5 HIV infection. [5]