

THE COLLEGES OF MEDICINE OF SOUTH AFRICA

Incorporated Association not for gain Reg No 1955/00003/08

Part I Examination for the Fellowship of the College of Pathologists of South Africa – Haematology



29 June 2017

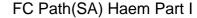
Paper 1 (3 hours)

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

- Molecular diagnostic technologies have evolved rapidly. Discuss current molecular pathology platforms and their applications in haematology. [25]
- 2 Write short notes on the following
 - a) CD1d. (10)
 - b) Lewis Blood Group antigens. (10)
 - c) Factor H and Factor I. (10)

[30]

- The CD4 T cell is the central cell of the adaptive immune system. Discuss this statement critically. [25]
- 4 Discuss the role of the following organs in maintaining normal haemopoiesis and haemostasis
 - a) Liver. (10)
 - b) Kidney. (10) [20]





a)

b)

Foetus.

Embryo.

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(10)

(10)

30 June 2017

Paper 2 (3 hours)

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

- 1 Discuss the dual haemostatic and immunomodulatory properties of platelets during acute sepsis. [25] 2 Discuss the role of abnormal antibody responses in the pathophysiology of the following disorders Autoimmune haemolytic anaemia. a. (10)Anti-phospholipid syndrome. (10)b. Haemophilia. C. (10)[30] 3 Review regulation and production of normal haemoglobin in
- [20]
- 4 Briefly discuss the role of tyrosine kinases in normal and abnormal myeloproliferation. [25]