



THE COLLEGES OF MEDICINE OF SOUTH AFRICA

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

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)

- 1 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]
- 3 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]



FC Path(SA) Haem Part I

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Paper 2

(3 hours)

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- 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
 - a. Autoimmune haemolytic anaemia. (10)
 - b. Anti-phospholipid syndrome. (10)
 - c. Haemophilia. (10)[30]
- 3 Review regulation and production of normal haemoglobin in
 - a) Foetus. (10)
 - b) Embryo. (10)[20]
- 4 Briefly discuss the role of tyrosine kinases in normal and abnormal myeloproliferation. [25]