



Cert Clin Haematology(SA) Paed

## THE COLLEGES OF MEDICINE OF SOUTH AFRICA

Incorporated Association not for gain  
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### Subspeciality Examination for the Certificate in Clinical Haematology of the College of Paediatricians of South Africa

18 March 2010

1 Paper Only

(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 use of immunophenotyping in childhood acute lymphoblastic leukemia with regards to
  - a) Diagnosis. (15)
  - b) Describe briefly the implications for treatment. (10)[15]
  
- 2 Discuss the laboratory diagnosis of the following conditions
  - a) Aplastic anaemia. (10)
  - b) Sickle cell disease. (5)
  - c) Chronic myeloid Leukaemia. (5)
  - d) Anaplastic Lymphoma. (5)[25]
  
- 3 Write short notes on the following
  - a) Discuss the pathogenesis and diagnosis of inhibitors in children with haemophilia. (8)
  - b) Discuss the diagnostic approach to haemolytic disease of the newborn. (8)
  - c) Explain the establishment of reference intervals for full blood counts in children. (8)[24]
  
- 4 Discuss the following as applies to Paediatric Haematology Oncology
  - a) Late effects of childhood malignancies. (10)
  - b) Febrile Neutropaenia. (10)
  - c) Management of Chronic ITP. (5)[25]