



Cert Pulmonology(SA) Paed

THE COLLEGES OF MEDICINE OF SOUTH AFRICA

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

Examination for the Subspecialty Certificate in Pulmonology of the
College of Paediatricians of South Africa

Paper 1

25 July 2019

(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 Discuss the role of bronchoscopy in children with persistent pre-school wheezing. [25]
- 2 Discuss hepato-pulmonary syndrome under the following headings
 - a) Definition. (3)
 - b) Pathophysiology. (12)
 - c) Investigations. (5)
 - d) Management. (5)[25]
- 3 Albert is a 6-year-boy who presents with a one week history of swelling of the neck and face and prominent neck veins. On lying flat in the supine position he is noted to have inspiratory and expiratory stridor
 - a) What is the most likely diagnosis? (2)
 - b) What acute measures would you undertake? (3)
 - c) What will be your approach in investigating this case and discuss the possible differential diagnoses for this case. (16)
 - d) What are the complications that you will anticipate with this condition? (2)
 - e) How would you manage the complications? (2)[25]
- 4 Discuss post-infectious bronchiolitis obliterans under these following headings
 - a) Aetiology and pathophysiology. (5)
 - b) Clinical presentation. (5)
 - c) Further investigations. (5)
 - d) Management. (5)
 - e) Complications and long-term outcome. (5)[25]



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Paper 2

26 July 2019

(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)

Please answer questions 1-4 in one book

- 1 Describe the role of Tiotropium in the management of difficult asthma in children. [10]
- 2 Write short notes on the dangers of the e-cigarettes. [10]
- 3 Discuss the role of palivizumab use for respiratory syncytial virus prophylaxis in developed countries. [10]
- 4 Write short notes on paradoxical vocal fold movement under the following headings [10]
 - a) Presentation.
 - b) Diagnosis.
 - c) Management.

Please answer questions 5-6 in one book

- 5 Briefly discuss the bacterial colonisation of the airways in the first week of life and its effect in the early development of adult disease. [10]
- 6 A five-year-old boy is admitted to Intensive Care Unit (ICU) for ventilation for respiratory failure. High pressures are needed for satisfactory ventilation. What measures would you take to prevent further lung injury from the ventilator? [10]

Please answer questions 7-10 in one book

- 7 Discuss the pulmonary function abnormalities you'd expect to find in a 15-year-old male with Duchenne's muscular dystrophy. [10]
- 8 Discuss your approach to the management of gastro-oesophageal reflux disease in a 5-year-old child. [10]
- 9 Write short notes on your approach to the diagnosis of childhood interstitial lung disease (CHILd). [10]

- 10 Discuss your approach to the diagnosis and treatment of a child with pulmonary hypertension in the South African context. [10]