



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

1 March 2018

(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)*

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- 1 Write short notes on the most common congenital vascular abnormality causing airway and oesophagael compression under the following headings
  - a) Different variations.
  - b) Diagnostic features on chest x-ray and bronchoscopy.
  - c) Associated defects and genetic associations.
  - d) Post-operative complications. [25]
  
- 2 Choose any FIVE of the following lung function tests and describe what they measure, examples of when they would be used in management of children with respiratory disease; and the benefits and limitations of the test [25]
  - a) Spirometry.
  - b) Gas dilution techniques.
  - c) Exhaled nitric oxide.
  - d) Carbon monoxide diffusion test.
  - e) Plethysmography.
  - f) Forced oscillation technique.
  
- 3 Discuss the diagnostic advances in Primary Ciliary Dyskinesia with particular reference to the advantages and disadvantages of each diagnostic modality and the proposed algorithm for the diagnosis. [25]
  
- 4 Describe the causes of chronic lung disease in HIV infected children and factors that determine this. [25]



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Paper 2

2 March 2018

(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)*

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- 1 What is the value of bronchoscopy in pre-school children with wheezing? [10]
- 2 Write short notes on pulmonary complications of childhood cancer treatment. [10]
- 3 Write notes on how to differentiate between symptoms of cardiovascular and pulmonary disease in children with chronic heart disease. [10]
- 4 Write short notes on the management of necrotizing pneumonia in children. [10]
- 5 Discuss the non-infectious pulmonary complications of SLE. [10]
- 6 Discuss the long term complications of tracheoesophageal fistula. [10]
- 7 List the pre- and postnatal factors associated with the pathogenesis of bronchopulmonary dysplasia (BPD). [10]
- 8 Write short notes on laryngomalacia pathology, clinical signs, diagnosis and management. [10]
- 9 Discuss the indications, contra-indications and the outcome of adeno-tonsillectomy in Obstructive Sleep Apnoea. [10]
- 10 Discuss the effects of Tiotropium bromide and its possible role in the management of adolescent asthma. [10]