



FC Cardio(SA) Final

## THE COLLEGES OF MEDICINE OF SOUTH AFRICA

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

### Final Examination for the Fellowship of the College of Cardiothoracic Surgeons of South Africa

25 July 2019

Paper 1

(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 briefly
  - a) The management options for diffuse coronary artery disease. (30)
  - b) The principles of cerebral protection during aortic arch surgery. (40)
  - c) The various approaches for exposure of the mitral valve. (30)[100]
  
- 2 Discuss
  - a) The principles and techniques of establishing extracorporeal membrane oxygenation. (30)
  - b) The rationale for and technical considerations of left atrial reduction surgery. (30)
  - c) The surgical approach to a patient requiring aortic valve replacement in the setting of a patent left internal mammary artery bypass graft. (40)[100]
  
- 3 Discuss
  - a) Coronary artery variants in transposition of the great arteries. (30)
  - b) The indications for and choice of valved right ventricle to pulmonary artery conduits in congenital heart disease. (40)
  - c) The management of an adult with a congenital ventricular septal defect. (30)[100]



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26 July 2019

Paper 2

(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 briefly
  - a) The surgical options for non-small cell lung cancer. (30)
  - b) Surgical techniques for thymectomy in myasthenia gravis. (30)
  - c) The diagnosis and management of achalasia. (40)[100]
  
- 2 Discuss
  - a) The pathophysiology and management of acute mediastinitis. (30)
  - b) The investigation and surgical treatment of chronic pulmonary thrombo-embolic disease. (40)
  - c) The classification and surgical treatment of diaphragmatic hernias. (30)[100]
  
- 3 Discuss briefly
  - a) A management algorithm for post-pneumonectomy empyema thoracis. (30)
  - b) Techniques of mediastinal lymph-node sampling. (40)
  - c) The pathology and management of pulmonary carcinoid tumours. (30)[100]