



Cert Critical Care(SA) Emergency Med

THE COLLEGES OF MEDICINE OF SOUTH AFRICA

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

Examination for the Subspecialty Certificate in Critical Care of the
College of Emergency Medicine of South Africa

Paper 1

19 March 2014

(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 With respect to gastro-intestinal failure
 - a) How would you define this clinical entity? (5)
 - b) Discuss the role of intravenous fluid therapy in the prevention of as well as in the development of such failure. (20)
 - c) Describe the various modalities that may be employed to monitor gastro - intestinal failure. (25)[50]

- 2 Discuss indications for re-laparotomy in the post-laparotomy patient, including scoring systems which can be used. [50]

- 3
 - a) Discuss the 'obesity paradox'. (10)
 - b) Describe problems that you should anticipate in the management of a patient with morbid obesity admitted to an intensive care unit with septic shock as a consequence of severe community-acquired pneumonia. (25)
 - c) Describe how you would manage a patient with severe obstructive sleep apnoea who has been referred to your unit for care following tonsillectomy. (15)[50]

- 4 An adult person has sustained a C6 cervical spinal body fracture with tetraplegia, and is immediately safely intubated and connected to a ventilator
 - a) Discuss the pathophysiology of respiratory complications of this injury, and the preferred ventilator settings. (15)
 - b) Discuss the pathophysiology of the haemodynamic complications of this injury, and the appropriate management. (15)
 - c) Discuss other relevant aspects of the management of such a patient. (20)[50]