SAQ – Intubation/NIV Answers

List 4 indications for endotracheal intubation (4 marks)

To create and airway

To maintain an airway

To protect an airway

To provide for mechanical ventilation

From Cameron, Textbook Adult Emergency Medicine 2009, p 20

List 2 indications for non-invasive ventilation (1 mark – 0.5 each)

Acute pulmonary oedema

Respiratory failure (will accept COPD as alternative)

Cameron, p21

List 4 contra-indications to NIV (2 marks – 0.5 each)

Coma

Combative patient

Inability to tolerate tight-fitting mask

Lack of trained staff to institute and monitor NIV

What is the mechanism of action of NIV? (3 marks)

Controlled FiO2 at set positive pressure –

Recruits alveoli that were closed improving VQ match

Increases pulmonary compliance, decreasing work of breathing