

DIPLOMA OF FELLOW OF THE COLLEGE OF ANAESTHETISTS
Royal College of Surgeons in Ireland
Final Examination – Written Paper- Spring 2008

Answers to sections A and B to be written in separate answer book and clearly marked

Time allowed for this paper – 3 hours

All questions must be attempted

SECTION A

Question 1

A 22 year old female patient, who is a known asthmatic, presents to the Emergency Medicine Department acutely short of breath. She has a 2 day history of increasing dyspnoea. On auscultation her chest is silent. Her SpO₂ is 88%. After nebulized salbutamol her SpO₂ is 82%. Discuss her further management.

Question 2

Write short notes on:

- (a) Describe the mechanism of action of Recombinant Factor VIIa (rFVIIa) and discuss its appropriate use.
- (b) Blood conservation strategies.

Question 3

Write short notes on:

- (a) Spinal cord monitoring
- (b) Metolazone
- (c) The criteria for commencement of long term opiates for non-cancer pain

SECTION B

Question 4

A 75 year old man with type II diabetes mellitus, who smokes 20 cigarettes a day, presents with a cough, productive of rusty coloured, blood-stained sputum. His CXR shows an opacity in the right mid zone (RMZ) He is scheduled for pneumonectomy. Discuss his perioperative management.

Question 5

Write short notes on:

- (a) A 4 year old boy from West Africa with a supra-condylar fracture is scheduled for emergency surgery. Discuss his peri-operative management.
- (b) Describe the anatomy of the ankle and describe how you would perform an ankle block. What are the indications for this block?

Question 6

Write short notes on:

- (a) Anaesthesia related causes of maternal mortality
- (b) Intubating laryngeal mask airway (iLMA)
- (c) Diclofenac

END OF THIS PAPER

DIPLOMA OF FELLOW OF THE COLLEGE OF ANAESTHETISTS
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Final Examination – Written Paper – Autumn 2007

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SECTION A

Question 1

A 58 year old female with severe chronic obstructive airways disease who had a coronary artery stent inserted 3 months ago following a period of unstable angina presents for urgent orthopaedic surgery for a fractured neck of femur. Describe your anaesthetic technique and include the considerations involved in making your decision

Question 2

Write short notes on:

- a) the requirements of safe anaesthetic practice in a Magnetic Resonance unit.
- b) glycaemic control in ICU and discuss the benefits and hazards.

Question 3

Write short notes on:

- a) the physiological and clinical aspects of pre-oxygenation for anaesthesia.
- b) pulse contour analysis for measurement of cardiac output (PiCCO).
- c) PCEA – patient controlled epidural analgesia.

SECTION B

Question 4

A 45 year old male presents for laparoscopic resection of a phaeochromocytoma. Discuss the appropriate investigations, preoperative optimisation and perioperative anaesthetic management.

Question 5

Write short notes on the:

- a) clinical anatomy of the Popliteal Fossa.
- b) causes, prevention and treatment of hypotension during spinal anaesthesia for caesarean section.

Question 6

Write short notes on:

- a) an 'Antibiotic Policy' for ICU
- b) the clinical use of statins.
- c) post-operative analgesia regimes suitable for use in a day procedure unit for children.

END OF THIS PAPER