

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (ANAESTHESIOLOGY) PART IA EXAMINATION
APRIL 2014

Date : 1st April 2014

Time : 1.00 p.m. - 4.00 p.m.

ESSAY PAPER

Answer six questions only.
Each question should be answered in a separate book.

1. List advantages and disadvantages of
 - 1.1. Circle breathing system
 - 1.2. Laryngeal Mask Airway

2. Write short notes on
 - 2.1. Isoflurane
 - 2.2. Metoclopramide
 - 2.3. Fentanyl

3. A 5 year old child with a body weight of 15 kg is awaiting **urgent** manipulation under anaesthesia (MUA) of a supracondylar fracture of the humerus.
 - 3.1. Describe your preoperative assessment.
 - 3.2. Briefly outline the anaesthetic management.

4. A 25 year old primigravida who was previously healthy receives a spinal anaesthetic for an elective caesarean section. 15 minutes after the spinal anaesthetic her blood pressure was found to be 60/40 mmHg.
 - 4.1. List the three (03) most likely causes.
 - 4.2. Outline the management of this patient.

5. A 45 year old man with ischaemic heart disease requires an elective inguinal herniotomy and repair.
 - 5.1. Describe how you would assess and optimize this patient.
 - 5.2. List the measures you would take in order to prevent myocardial ischaemia during the intra and post operative period.

6.
 - 6.1. List the risk factors for aspiration of gastric contents during general anaesthesia.
 - 6.2. How may these risks be minimized.

7. A 25 year old ASA I male patient was admitted to the A & E following blunt trauma to the abdomen. He was pale, with cold and clammy extremities with a respiratory rate of 35/minute, heart rate of 130 beats /minute and blood pressure of 70/40 mmHg.
 - 7.1. List the possible life threatening injuries in this patient ?
 - 7.2. Outline the initial management of this patient.

8.
 - 8.1. List how you would assess the airway of a patient awaiting thyroidectomy.
 - 8.2. What are the immediate post operative complications following thyroidectomy ?