

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (ANAESTHESIOLOGY) PART IA EXAMINATION
APRIL 2011

Date : 4th April 2011

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. A 5 year old (15Kg) child is awaiting an urgent laparotomy for bowel obstruction of 3 days duration.
 - 1.1. List the pre-operative problems in this child.
 - 1.2. Describe the fluid management and the management of **one** other problem mentioned above.

2. List the equipment you could use to monitor the state of the cardiovascular system in a patient undergoing a prolonged major surgery.

Briefly indicate the usefulness and limitations of the equipment you mentioned.

3. List the indications for general anaesthesia for a caesarean section. Describe your technique.

4. A patient complains of excruciating pain along the arm while administering thiopentone sodium.
 - 4.1. What is your probable diagnosis ?
 - 4.2. List the other factors to support your diagnosis.
 - 4.3. How would you minimize this ?
 - 4.4. Describe how you would manage this patient.

5. A 30 old man, who has fallen from a tree, is brought to the accident service. He is restless, agitated and is unable to move the lower limbs. His respiratory rate is 16/min, pulse rate 120/min with a blood pressure of 80/40mm Hg.

Outline your assessment and initial management of this patient.

6. A 45 year old lady with Type 1 diabetes mellitus controlled with insulin requires total abdominal hysterectomy. Describe your anaesthetic management.

7. A 24 year old ASA/1 patient is awaiting surgical extraction of an impacted wisdom tooth.

Describe your anaesthetic management.

8. Write short notes on **three** (03) of the following.

8.1. Propofol

8.2. Magnesium Sulphate (MgSO₂)

8.3. Phenylephrine

8.4. Fentanyl.