

**POSTGRADUATE INSTITUTE OF MEDICINE**  
**UNIVERSITY OF COLOMBO**

**MD (ANAESTHESIOLOGY) PART IA EXAMINATION**

**APRIL 2013**

Date : 1<sup>st</sup> April 2013

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.
  - 1.1. Draw and label a normal capnograph.
  - 1.2. Outline the critical incidents that can be identified with the capnograph.
  
2. What anatomical and physiological changes in pregnancy affect your ability to resuscitate a woman who has suffered cardio vascular collapse at full term ?
  
3. A 4 year old child (15 kg) is awaiting an urgent appendicectomy.
  - 3.1. Enumerate the problems you would encounter in managing this patient.
  - 3.2. Describe your anaesthetic management.
  
4. A 35 year old ASA I patient is scheduled for a mastoidectomy. Describe your anaesthetic management.

5. Write short notes on :
  - 5.1. Adverse effects of N<sub>2</sub>O.
  - 5.2. Uses and side effects of ephedrine.
  - 5.3.. Signs and symptoms of bupivacaine toxicity.
  
6. Prepare a preoperative check list to ensure the safety of a patient scheduled for a routine surgical procedure.
  
  
7.
  - 7.1. Define obesity.
  - 7.2. What are your concerns in the peri operative management of an obese patient ?
  
  
8. A 55 year old female patient is brought to the accident and emergency department following a road traffic accident. she is pale and tachypnoeic with an oxygen saturation on air of 70%. Her blood pressure is 90/60 and the heart rate is 120/minute. The GCS score is 15/15. She is scheduled for a manipulation under anaesthesia (MUA) for dislocation of the shoulder.
  - 8.1. What are the other possible injuries the patient may have ?
  - 8.2. Briefly describe how you would resuscitate the patient.