

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (ANAESTHESIOLOGY) PART IA EXAMINATION -
NOVEMBER 2016

Date :- 15th November 2016

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. Prepare a pre anaesthetic equipment and drug checklist for a routine surgical list. (50 marks)

1.2. Outline how you would check the anaesthetic machine. (50 marks)

2. List the **indications** with relevant **doses** and **adverse effects** of

2.1. Suxamethonium (30 marks)

2.2. Ketamine (30 marks)

2.3. Adrenaline (40 marks)

3. A 6 year old (16 kg) boy is scheduled for suturing a deep laceration in the middle of the tongue.

3.1. What are the problems you would anticipate? (30 marks)

3.2. Briefly describe your **perioperative** anaesthetic management. (70 marks)

4. A 35 year old previously healthy multipara was brought to the operating theatre two hours after normal vaginal delivery. On examination she is found to be very pale with a blood pressure of 70/40 mmHg. She has cold clammy peripheries and there is bleeding per vagina.

4.1. List the most likely causes for post partum haemorrhage. (10 marks)

4.2. Outline the initial management of this patient. (60 marks)

4.3. This patient needs emergency laparotomy to control the bleeding. Enumerate the problems you would encounter in anaesthetising this patient. (30 marks)

5. A 40 year old male is admitted to hospital with a run over injury. He is conscious but restless. His SpO₂ on air is 95%. His pulse rate is 130/minute and blood pressure 80/40 mmHg. He needs emergency laparotomy.

5.1. List the possible injuries in this patient. (30 marks)

5.2. Describe your management plan. (70 marks)

6. A 30 year old female who was on treatment for thyrotoxicosis is scheduled for a total thyroidectomy.

6.1. Outline how you would assess her preoperatively. (60 marks)

6.2. List the **peri-operative** problems you would encounter in this patient. (40 marks)

7. A 50 year old ASA I patient was anaesthetised for a laparoscopic surgery. 15 minutes after starting surgery EtCO₂ was found to be 55 mmHg.

7.1. List the possible causes for her hypercapnoea. (30 marks)

7.2. How do you manage this situation? (70 marks)

8. A 50 year old diabetic patient who has undergone an emergency laparotomy for bowel obstruction shows delayed recovery after surgery.

8.1. List the possible causes. (40 marks)

8.2. Outline your management. (60 marks)