

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

CERTIFICATE OF COMPETENCE IN ANAESTHESIOLOGY
EXAMINATION – JUNE 2017

Date :- 1st June 2017

Time :- 2.00 p.m. – 4.00 p.m.

Answer **all eight (08)** questions.

Each question must be answered in a separate book.

1.

- 1.1. What are the different types of Laryngeal Mask Airways (LMA) available for clinical use? (20 marks)
- 1.2. List the specific indications for each of the above. (40 marks)
- 1.3. What are the advantages and disadvantages of LMA compared to Endotracheal tube (ETT)? (40 marks)

2.

- 2.1. Enumerate the methods used for pain relief in labour. (20 marks)
- 2.2. What are the disadvantages of inadequate pain relief in labour? (30 marks)
- 2.3. Briefly outline how you would perform epidural analgesia for a primigravida in the first stage of labour. (50 marks)

3. A 5 year old (18kg) boy is awaiting scrotal exploration for suspected torsion of testis.

- 3.1. List the problems that you would anticipate in anaesthetising this child. (30 marks)
- 3.2. Outline your peri operative management. (70 marks)

4. A patient with pneumonia is being ventilated in the ICU for 2 days. He shows worsening of oxygen saturation.
- 4.1. What are the possible causes for desaturation? (40 marks)
- 4.2. What measures would you take to improve the saturation? (60 marks)
5. A 28 year old male is admitted to the Accident & Emergency Department with extensive facial trauma following a road traffic accident. On admission his GCS is 15/15, respiratory rate is 30/minute, saturation on air is 84%. He is haemodynamically stable.
- 5.1. What are the possible reasons for his desaturation? (30 marks)
- 5.2. Outline your immediate management of this patient. (70 marks)
6. What are the adverse effects of each of the following drugs?
- 6.1. Heparin (25 marks)
- 6.2. Adrenaline (25 marks)
- 6.3. Neostigmine (25 marks)
- 6.4. Nitrous oxide (25 marks)
7. A 55 year old male with alcoholic liver disease is coming for mesh repair of a paraumbilical hernia.
- 7.1. List the problems you would anticipate in this patient. (30 marks)
- 7.2. What pre operative investigations would you request? (30 marks)
- 7.3. How would you optimize this patient prior to surgery? (40 marks)
- 8.
- 8.1. List five (05) surgical procedures that require anaesthesia in prone position. (10 marks)
- 8.2. What problems would you anticipate in this position? (40 marks)
- 8.3. Briefly indicate the precautions that you would take to minimize the above problems. (50 marks)