**Instructions:**

a. There are three pre-labelled answer books. Please make sure you answer the respective questions in the appropriate answer book.

b. Write your examination number on the cover of each answer book.

c. Answer **ALL** questions (nine questions). They are worth equal marks and you should spend approximately ten minutes for each question.

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1. A 65 year-old-man requires emergency tracheal stenting under general anaesthesia for a suspected bronchogenic carcinoma causing airway obstruction at the carina level. Discuss your perioperative concerns.

2. Discuss the causes and treatment for uterine hypertonia.

3. A patient developed ventricular fibrillation which is not terminated by repeated delivery of electrical defibrillation. Outline the factors that influence the success of defibrillation.

4. Describe the effect of inhalational anaesthetic agents (25%), intravenous induction agents (50%) and opioids (25%) on somatosensory evoked potential and motor evoked potential.

5. Outline the features of a modern anaesthetic workstation that ensure safe gas delivery to the patient.

6. Insertion of a central line may result in cardiac tamponade:
   a) How would you recognize this complication? (50%)
   b) How could you minimize the risk of this complication? (50%)

7. A 45-year-old man with a history of alcohol abuse and recent acute pancreatitis is admitted to the intensive care unit for inotropic and ventilatory support following a laparotomy to drain the pancreatic abscess. His body mass index is 18kg/m².
   i) Justify the need for nutritional support in this patient and list the components of the nutritional requirement. (50%)
   ii) Outline the pros and cons of the options available to provide nutritional support to this patient. (50%)

8. You are asked to review a woman in the anaesthetic outpatient clinic. She had two previous caesarean sections and is currently 32 weeks pregnant with an anterior lying placenta praevia and a fibroid uterus. She is otherwise healthy and scheduled for an elective caesarean section at 39 weeks of gestation. Describe and justify your peripartum management in this patient.

9. A 60-year-old man is scheduled for resection of a large back lipoma under general anaesthesia on your list tomorrow, the surgeon requests for a prone position for this procedure. Describe your anaesthetic management.

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*The Hong Kong College of Anaesthesiologists*

**Final Fellowship Examination**

**Paper II**

**14th August 2015 (Friday)**

**11:00 – 12:30 hrs**