



**HONG KONG COLLEGE OF
ANAESTHESIOLOGISTS**

DIPLOMA OF FELLOWSHIP

**FINAL FELLOWSHIP (INTENSIVE CARE)
SHORT ANSWER PAPER**

15 Questions

MONDAY, 3rd SEPTEMBER 2012

9.00 am - 11:30 am

NOTICE

- (A) Write your answers in the books provided.
- (B) Please separate your answers into three groups:
 - Q1 to Q5
 - Q6 to Q10 and
 - Q11 to Q15
- (C) Start each answer on a new page and indicate the question number.
- (D) You may choose to answer the questions in any order but please make sure that they can be separated into the three groups as above, by starting on a new booklet as necessary.
- (E) It is not necessary to rewrite the question in your answer book.
- (F) You should answer each question in ten minutes or less.
- (G) The questions are worth equal marks.
- (H) Record your number on the cover of each book and hand in all books.

ANSWER THE FOLLOWING

1. Describe the management of anaphylactic shock in the intensive care unit.
2. Describe the current role of non invasive ventilation in the intensive care unit.
3. Discuss the use of therapeutic hypothermia following resuscitation.
4. What is/are your indication(s) for the use of sodium citrate to anticoagulate an extra-corporal circuit? What are the common problems? State how you would manage these problems.

5. Discuss the problems associated with the management of a potential organ donor.
6. What is fluid/ volume responsiveness? Describe how you would assess it in a patient on mechanical ventilation.
7. List the causes of repeated high airway pressure alarm on the mechanical ventilator. What is your approach to the management of this problem?
8. Compare and contrast warfarin, dabigatran and apixaban
9. Outline the clinical features, diagnostic criteria and specific therapy for thyroid storm.
10. What are the possible methods to detect inspiratory effort during mechanical ventilation? What are their limitations?
11. Define abdominal compartment syndrome. Outline the management.
12. Briefly discuss the choice of pharmacological agent to facilitate tracheal intubation of critically ill patients.
13. Briefly discuss the application of ultrasound in the management of critically ill patients.
14. Define acute kidney injury and discuss the principle of fluid management for patients with acute kidney injury.

Question 15

- a) What are the uses and limitations of predictive scoring systems in the intensive care unit?
- b) Define discrimination and calibration in the context of predictive scoring systems.

End