



# The Hong Kong College of Anaesthesiologists

## Intermediate Fellowship Examination

**Written Paper in Pharmacology**  
**Friday, 26 February 1999, 14:00 – 16:00 h**

Answer ALL questions

1. Classify the bronchodilators and detail the mechanisms of their side effects.
2. Briefly describe the protein binding of drugs and outline its significance, illustrating with examples.
3. Discuss the merits of nitrous oxide in anaesthesia.
4. What are the systemic effects of cocaine and how may cocaine toxicity be treated.
5. What drugs modify intraocular pressure and how do they do this?
6. Compare and contrast rocuronium and vecuronium.
7. Outline the pharmacology of sevoflurane.
8. Briefly describe the potential interactions of antidepressants with opioids.
9. What is the t test? What assumptions are made in applying the test?
10. Outline the pharmacology of tramadol.
11. Explain the concept of a 3-compartment pharmacokinetic model.
12. Classify serotonin receptors. Outline with examples the importance of serotonin antagonists in anaesthesia.