**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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**Scenario A**

A 69 year old male has an implantable cardioverter-defibrillator (ICD) located in his chest wall, below his left clavicle, to treat recurrent ventricular tachycardia. He presents for arthroplasty of his right shoulder under general anaesthesia.

1. How would you evaluate his cardiovascular status preoperatively?
2. What special precautions need to be taken intraoperatively to avoid problems related to his ICD?
3. You decide to perform an interscalene block for post operative pain relief. Describe the anatomy relevant to this block and briefly outline your technique.

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**Scenario B**

You are required to provide general anaesthesia for a 10-year-old boy with idiopathic scoliosis for corrective surgery using a posterior approach.

4. Outline your pre-operative assessment.
5. Discuss the potential problems associated with the prone position in this patient.
6. During the course of the surgery, SSEP monitoring suddenly indicates a serious neurological problem. The surgeon requests you to perform a wake-up test. Describe how you would do this.

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**Scenario C**

An 80 year-old woman has early dementia, but is otherwise healthy. She is scheduled for cataract extraction of the left eye under general anaesthesia.

7. Outline the assessment and preparation of this patient before anaesthesia.
8. What cognitive disturbances are likely in this patient in the postoperative period? Outline how these can be minimized in your anaesthetic management.
9. The patient became restless and agitated in the recovery room. Outline your management.

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