

**POSTGRADUATE INSTITUTE OF MEDICINE**  
**UNIVERSITY OF COLOMBO**

**MD (SURGERY) EXAMINATION – FEBRUARY 2017**

Date :- 15<sup>th</sup> February 2017

Time :- 9.30 a.m. – 11.30 a.m.

**PAPER I (SEQ)**

**Answer all four (04) questions.**

**Answer each question in a separate book.**

1. Write notes on:

- 1.1. The process of conducting a clinical audit. (50%)
- 1.2. The gut (intestinal) – barrier function and its relevance to surgical Practice. (50%)
2. A 58-year-old man has a moderately differentiated adenocarcinoma of the lower rectum with no evidence of metastatic disease.
  - 2.1. Describe the value of pelvic MRI in the management of this patient (20%)
  - 2.2. Outline the treatment options. (30%)
  - 2.3. The patient has concerns regarding his long-term quality of life after the treatment options described above. How would you address this? (50%)

3. A 56-year-old farmer presents with sudden onset severe pain of the left leg of four hours' duration. There is no history of trauma. He has numbness and weakness of that limb. His left femoral pulse is present but the left popliteal and pedal pulses are absent.

3.1. Outline how you would differentiate the probable diagnoses clinically and using relevant investigations. (40%)

3.2. Outline the treatment of this patient. (60%)

4. A 30-year-old man is brought to the accident & emergency department following a high velocity road traffic accident. The trauma team has stabilized the cervical spine and his airway is patent. Life-threatening intrathoracic injuries have been excluded. His pulse rate is 140 bpm and blood pressure 80/50 mmHg. He is pale.

Outline the management of this patient.