

**Postgraduate Institute of Medicine  
University of Colombo**

**MD (Surgery) (New Format) Examination**

**February 2016**

**Date : 9<sup>th</sup> February 2016**

**Time : 9.30am. – 11.30am.**

**Paper I (SEQ)**

**Answer all questions.**

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

1. A 56 year old man presents with a callosity on the plantar aspect of the first metatarsal head in his left foot. He has diabetes mellitus and smokes 10 cigarettes per day. On examination his left femoral pulse is present, but the popliteal and pedal pulses are absent.
  - 1.1 Briefly describe the management of this condition. (30%)
  - 1.2 He presents eight months later with a forefoot abscess and an ulcer at the site of the previous callosity.  
Describe the management at this stage. (70%)
  
2. A 48 year old man presents with a mass in the left anterior triangle of the neck for 3 months and recent onset back ache.
  - 2.1 What are the most likely diagnoses? (20%)
  - 2.2 Briefly discuss the relevance of family history in this patient. (10%)
  - 2.3 This patient subsequently develops severe abdominal pain and polyuria.  
Discuss the management at this stage. (70%)
  
3. An 18 year old male is admitted with an isolated injury to the right lower limb following a motor vehicle accident, a few hours after the injury. He has a fracture of the upper tibia with a degloving injury around the knee extending to the leg. His blood pressure is 80/60 mmHg on admission.
  - 3.1 Outline the management within the first 24 hours of admission. (40%)
  - 3.2 Describe the ongoing management of this patient. (60%)

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4. A fit 55 year old man, presents with left iliac fossa pain and fever of 38.2°C. He has had two previous admissions with CT-proven sigmoid diverticulitis during the last 12 months.

4.1 Outline the initial management of this patient. (40%)

4.2 Discuss the indications for surgery in this patient and surgical options.  
(*technical details of operations are not required*). (40 %)

4.3 Briefly describe the long term management of this patient. (20%)