

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (SURGERY) EXAMINATION – NOVEMBER 2021

Date: 23rd November 2021

Time: 9.30 a.m. – 11.30 a.m.

SEQ PAPER

Answer all four (04) questions.

Answer each question in a separate book.

1. A 40-year-old fisherman is brought to the A&E after a crocodile attack. On admission, he is alert and in pain. He is not pale. His pulse rate is 110/min and BP is 110/80 mmHg. There is a large soft tissue defect in his right leg with an open fracture of the tibia.
 - 1.1. Describe the immediate management. (40%)
 - 1.2. State the principles of definitive care of the injured leg. (40%)
 - 1.3. He has a below knee amputation subsequently. Outline the principles of rehabilitation. (20%)

2. A 60-year-old female with diabetes, dyslipidaemia and hypertension presents with acute severe epigastric pain, vomiting and sweating. Her pulse rate is 120/min and BP is 80/50 mmHg.
 - 2.1. State the differential diagnoses. (20%)
 - 2.2. List the investigations you would request on admission, giving reasons. (40%)
 - 2.3. Discuss the treatment of one condition listed in 2.1. (40%)

3. A 69-year-old male presents with poor urinary flow, hesitancy, sense of incomplete emptying and nocturnal enuresis of one year. He has diabetes mellitus. He is pale, has bilateral ankle oedema, and a distended, tense, non-tender bladder. External genital examination is unremarkable. Digital rectal examination reveals a non-tender, firm, enlarged prostate.

3.1. State the clinical diagnosis. (10%)

3.2. State the likely causes for the above presentation. (15%)

3.3. List the relevant investigations, giving reasons. (35%)

3.4. Outline the principles of treatment in the first 48 hours. (40%)

4. Write notes on

4.1. Fournier's gangrene. (35%)

4.2. The importance of the surgical safety check list. (35%)

4.3. Management of pain in chronic pancreatitis. (30%)