

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (SURGERY) EXAMINATION – MARCH 2026

Date:- 17th March 2026

Time:- 9.30 a.m. - 11.30 a.m.

STRUCTURED ESSAY QUESTION PAPER

Answer all four (04) questions.

Answer each question in a separate book.

1. A 20-year-old man is brought to the A & E within half an hour of a stab injury over the left side of the neck. He is confused and agitated. The blood pressure is 90/50 mmHg, pulse rate is 140 beats/minute, SpO₂ is 88%, and the respiratory rate is 26/minute. There is a left neck haematoma with active bleeding.
 - 1.1. Outline the management of the airway in this patient. (20%)
 - 1.2. Briefly describe the management of this patient at the A&E. (30%)
 - 1.3. Discuss the possible interventions after the A&E management. (50%)
2. Write notes on:
 - 2.1. The diagnosis and management of a 3-week-old infant with congenital hypertrophic pyloric stenosis. (50%)
 - 2.2. Potential benefits and challenges of robotic surgery in Sri Lanka. (50%)
3. A 55-year-old man with poorly controlled Type 2 diabetes mellitus on a long-term urethral catheter, presents with severe perianal pain, fever, and lethargy. On examination, the temperature is 39°C, blood pressure is 88/50 mmHg, and the pulse rate is 128 beats/minute. The perineum is erythematous, dusky, and exquisitely tender with palpable crepitus extending to the scrotum.
 - 3.1. State the most likely diagnosis and briefly describe the pathophysiological mechanisms underlying this condition. (15%)
 - 3.2. List five (05) laboratory parameters and briefly describe the clinical significance of the laboratory results. (20%)
 - 3.3. Outline the immediate management priorities during the first hour of hospital care. (25%)
 - 3.4. Explain the principles of the initial and subsequent surgical management. (40%)

Contd..../2-

4. A 45-year-old woman with cup B breasts, presents with a 3 cm lump in the lower inner quadrant of the right breast. She has palpable and mobile ipsilateral axillary lymph nodes. The image guided core biopsy reveals an invasive breast carcinoma, NST grade 3. The immunohistochemistry shows a triple negative breast cancer (TNBC).
- 4.1. Briefly explain the principles of assessing a solid lesion of the breast. (20%)
- 4.2. Define triple negative breast cancer and outline its characteristics. (10%)
- 4.3. Briefly describe the management principles of TNBC. (30%)
- 4.4. Discuss the surgical management of this patient. (40%)