

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN ANATOMY EXAMINATION II
FEBRUARY, 2020

MODULE 5 – THORAX

ESSAY AND SEQ PAPER

Date : 29th February 2020

Time: 12.00 p.m. – 1.00 p.m.

Answer all questions.

Answer each part (Essay and SEQ) in separate books.

Essay (30 minutes)

1. Discuss how the musculoskeletal structure of the thorax contributes to respiratory movements. (100 marks)

SEQ (15 minutes each question)

2. A 6 year old boy was brought to the emergency department with a suspicion of foreign body inhalation. A chest x-ray confirmed the diagnosis.
 - 2.1. Name two bronchopulmonary segments where inhaled foreign bodies are more likely to lodge (standing and supine). (10 marks)
 - 2.2. Give the anatomical basis for the above observation. (40 marks)
3. A 70-year old taxi driver was admitted to the emergency department with retrosternal chest pain. A diagnosis of anterior myocardial infarction was made.
 - 3.1. Describe the course and branches of the left coronary artery. (40 marks)
 - 3.2. Explain 'right dominance'. (10 marks)

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MODULE 6 – ABDOMEN

ESSAY AND SEQ PAPER

Date : 29th February 2020

Time: 1.00 p.m. – 2.00 p.m.

Answer all questions.

Answer each part (Essay and SEQ) in separate books.

Essay (30 minutes)

1. Describe the anatomy of the inguinal canal including its clinical relevance.
(100 marks)

SEQ (15 minutes each question)

2. Describe the anatomy of the left kidney under the following headings.
 - 2.1. Location and relations (30 marks)
 - 2.2. Blood supply (20 marks)
3. A 75-year old female was admitted to the surgical casualty with a history of periumbilical pain of two days duration. A diagnostic laparotomy was carried out. At operation the jejunal and ileal loops were black in colour and a diagnosis of acute ischemia to the midgut was made.
 - 3.1. Define the extent of the midgut (10 marks)
 - 3.2. Describe the blood supply of the midgut (40 marks)

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MODULE 7 – PELVIS & PERINEUM

ESSAY AND SEQ PAPER

Date : 29th February 2020

Time: 2.00 p.m. – 3.00 p.m.

Answer all questions.

Answer each part (Essay and SEQ) in separate books.

Essay (30 minutes)

1. Describe the uterus including its supports. (100 marks)

SEQ (15 minutes for each question)

- 1.
- 1.1. Define the pelvic outlet. (20 marks)
- 1.2 Briefly describe the pelvic peritoneal reflections in a male. (30 marks)
2. Briefly describe the gross anatomy of the anal sphincters with the aid of a diagram. (50 marks)

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MODULE 8 – LOWER LIMB

ESSAY AND SEQ PAPER

Date : 29th February 2020

Time: 3.00 p.m. – 4.00 p.m.

Answer all questions.

Answer each part (Essay and SEQ) in separate books.

Essay (30 minutes)

1. Describe the piriformis muscle. (100 marks)

SEQ (15 minutes for each question)

2.

- 2.1. Describe the stabilising factors of the hip joint. (40 marks)

- 2.2. List the structures found in the popliteal fossa. (10 marks)

3.

- 3.1. Describe the adductor canal. (40 marks)

- 3.2. List the arches of the foot. (10 marks)