

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

SELECTION EXAMINATION IN MD (SURGERY) – NOVEMBER 2021

Date:- 23rd November 2021

Time:- 9.30 a.m. – 11.30 a.m.

PAPER I
ANATOMY

Answer all four (04) questions.

Answer each question in a separate book.

1. Describe the course, relations and the clinical relevance of the nerves of the flexor compartment of the forearm, excluding the pure cutaneous nerves. (100%)

2.
 - 2.1. Briefly describe the relations of the styloid process. (50%)
 - 2.2. Briefly describe the gross anatomy of the floor of the mouth. (50%)

3.
 - 3.1. Describe the structural arrangement of the pericardium and its clinical importance. (60%)
 - 3.2. Briefly describe the origin and course of the left recurrent laryngeal nerve. (40%)

4. Describe the anatomy of the spleen and its clinical significance. (100%)

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PAPER II
PART A (PHYSIOLOGY)

Answer all three (03) questions.
Answer each question in a separate book.

1. Describe the cardiovascular responses to isotonic exercise of moderate intensity. (100%)

2.
 - 2.1. Describe the short and long term effects of distal gastrectomy with gastro jejunal bypass. (50%)
 - 2.2. Describe the physiological basis of tachypnoea in open pneumothorax. (50%)

3. Describe
 - 3.1. the effects of spinal cord transection at T₁₀ level on bladder functions. (40%)
 - 3.2. the basis of hypoglycaemia following insulin overdose. (30%)
 - 3.3. the basis of using vasopressin analogues in variceal bleeding associated with portal hypertension. (30%)

Contd.../2-

PART B (PATHOLOGY)

Answer all three (03) questions.

Answer each question in a separate book.

4. Discuss giving examples, the aetiopathogenesis of hyperplasia, metaplasia and dysplasia occurring in the gastrointestinal tract and how they influence the clinical management of a patient. (100%)

5.
 - 5.1. A 55-year-old man presented with a right groin abscess, right leg swelling and an ulcerated lesion on the glans penis. Biopsy of the penile lesion revealed a moderately differentiated squamous cell carcinoma. Discuss the pathological basis for this patient's clinical presentation. (40%)

 - 5.2. Describe aetiopathogenesis and complications of acute pancreatitis. (60%)

6. Write notes on -
 - 6.1. Complications of massive blood transfusion. (30%)

 - 6.2. Clinical implications of angiogenesis in malignancies. (30%)

 - 6.3. Pathological basis of intestinal anastomotic complications. (40%)