

**POSTGRADUATE INSTITUTE OF MEDICINE**  
**UNIVERSITY OF COLOMBO**

**MD (CLINICAL NUTRITION) MAY, 2019**

**SEO PAPER**

**Date:** 27<sup>th</sup> May 2019

**Time:** 9.00 a.m. – 12.00 noon

Answer **all five (05) questions.**

Each question to be answered in a separate book.

1.
  - 1.1. List three (3) causes of diarrhoea due to enteral feeding. (15 marks)
  - 1.2. List three (3) adverse effects of enteral feeding associated diarrhoea. (15 marks)
  - 1.3. List two (2) first line investigations you would perform in a patient with diarrhoea following enteral feeding. (10 marks)
  - 1.4. State four (4) preventive measures to overcome enteral feeding associated diarrhoea. (20 marks)
  - 1.5. A malnourished patient with 50 cm of jejunum in circuit after the ligament of Treitz develops diarrhoea after receiving enteral feeding. Outline the nutritional management of this patient. (40 marks)
  
2.
  - 2.1. Outline the nutritional assessment of a patient with carcinoma of the oesophagus awaiting surgery. (20 marks)
  - 2.2. Describe briefly the pre-operative and immediate post-operative nutritional management of this patient. (40 marks)
  - 2.3. Briefly explain the long term nutritional management plan for this patient. (40 marks)

3.

- 3.1. Draw a schematic diagram for the conceptual framework for childhood malnutrition. (30 marks)
- 3.2. Identify five (5) immediate causes and five (5) underlying causes of childhood malnutrition in Sri Lankan context. (20 marks)
- 3.3. List five (5) national nutrition intervention programmes currently implemented in Sri Lanka to reduce malnutrition in children under five. (20 marks)
- 3.4. Outline the steps you would follow to develop a national programme to address the issue of childhood vitamin D deficiency in Sri Lanka. (30 marks)

4. Describe briefly the specific management in the following situations.

- 4.1. Three year old boy with acrodermatitis enteropathica. (25 marks)
- 4.2. A 16-year-old athlete seeking your advice on identifying banned substances in a sports supplement. (25 marks)
- 4.3. A young mother of one month old infant complaining of inadequate breastmilk. (25 marks)
- 4.4. A young executive with irritable bowel syndrome. (25 marks)

5.

- 5.1. Define sarcopaenia. (10 marks)
- 5.2. List five (5) causes of aging-related sarcopaenia. (20 marks)
- 5.3. Briefly describe how to identify sarcopaenic obesity. (25 marks)
- 5.4. Outline the principles of medical nutrition therapy in a patient with aging-related sarcopaenia. (45 marks)