

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN CHEMICAL PATHOLOGY
EXAMINATION – JUNE 2014

Date :- 16th June 2014

Time :- 9.30 a.m. – 11.30 a.m.

ESSAY PAPER

All four questions to be answered.

Use a separate book for each question.

Write legibly.

1. Discuss the **clinical significance** of any **three (03)** of the following.
(Each component carries equal marks.)

1.1. Albumin assay

1.2. Troponin assay

1.3. Hypertriglyceridaemia

1.4. Renal tubular acidosis Type 1

(100 marks)

2. Describe **one method** for the measurement of **any three (03)** of the following, including analytical principle, calibration and interfering substances.
(Each component carries equal marks.)

2.1. Osmolality

2.2. Cortisol

2.3. Total Iron-Binding Capacity (TIBC)

2.4. pCO₂

(100 marks)

3. Discuss the issues related to providing point-of-care testing facilities in a teaching hospital. (100 marks)

4. Describe the causes of jaundice in a 60-year-old woman and discuss the biochemical investigations required in her assessment. (100 marks)