

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN CHEMICAL PATHOLOGY
EXAMINATION – JUNE 2016

Date :- 13th June 2016

Time :- 9.30 a.m. – 11.30 a.m.

ESSAY PAPER

All four (04) questions to be answered.
Use a separate book for each question.
Write legibly.

1. Answer any **three (03)** of the following (Each component carries equal marks)
 - 1.1. Clinical significance of measuring β_2 -microglobulin
 - 1.2. Clinical significance of measuring lactate dehydrogenase (LDH)
 - 1.3. Short notes on paracetamol poisoning
 - 1.4. Short notes on tumour lysis syndrome (100 marks)

2. Describe **one (01)** method for the measurement of any three (03) of the following, including specimen collection, analytical principle, calibration and interfering substances. (Each component carries equal marks)
 - 2.1. Plasma renin
 - 2.2. Serum copper
 - 2.3. Whole blood PO₂
 - 2.4. Serum bilirubin (100 marks)

3. Discuss the role of the chemical pathology laboratory in the diagnosis and management of a patient having serum triglyceride level of 1450 mg/dL (16 mmol/L). (100 marks)

4. Critically discuss the methods available for the assessment of glomerular filtration rate. (100 marks)