



File

FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA  
Department of Medical Laboratory Science  
Year End Examination – Year 3 - 8<sup>th</sup> Batch  
Laboratory Management (MLS 3103) – Theory II (SEQ)

Date: 22<sup>nd</sup> November 2019

Time: 10.00 a.m. – 12.00 noon

Duration: 2 hours

Answer all questions

Index Number: .....

1. You are the laboratory manager in a well-established medical laboratory in Galle district. You want to purchase a new 5 part haematology analyzer to your laboratory. 37
  - 1.1 Describe the factors that you should consider during procurement of this automated hematology analyzer. (50 marks)
  - 1.2 State briefly how you would implement a maintenance programme for this automated haematology analyzer. (50 marks)
  
2. You are appointed as the SMLT of the haematology laboratory. The consultant pathologist as the head/pathologist assign you to prepare a programme for total quality management (TQM) in the laboratory
  - 2.1 List the phases in testing indicating **key areas** in each which need attention for TQM. (30 marks)
  - 2.2 Outline briefly what you would propose to improve in **one of the key areas** stated above which is common for all four disciplines; Haematology, Biochemistry, Microbiology and Histopathology. (40 marks)
  - 2.3 State briefly how you would collect data for TQM process planning. (30 marks)
  
3. Employee management is critical and very important in medical clinical laboratories. MLTs play a key role in it.
  - 3.1 Discuss the suitable criteria for the selection of human resources for a small peripheral laboratory. (30 marks)
  - 3.2 Discuss the need for competency evaluation of MLTs in Sri Lanka. (30 marks)
  - 3.3 Outline competency evaluation methods and relevant basic criteria you would propose to a small scale laboratory. (40 marks)
  
4.
  - 4.1 Describe a Clinical Laboratory Collecting Centre. (40 marks)
  - 4.2 List **four** advantages of outsourcing. (20 marks)
  - 4.3 Discuss the importance of supply chain management for a clinical laboratory. (40 marks)

