



Faculty of Medicine, University of Ruhuna
Medical Laboratory Science Degree Programme

Year end examination Year 3 – April 2015
3rd Batch - Theory - Essay - Laboratory management
Wednesday 29th April 2015 Time: 8.30 am. to 10.30 am. (two hours)

File 19
20 FEB 2020

Instructions: Answer all the questions. Answer each question in a separate booklet.

1.

As a newly passed out graduate you have decided to be an entrepreneur and start your own laboratory. How would you prepare a Business Plan for your laboratory? (100)

Key words:

- Your Vision
- Products and Services
- Market Analysis and How and Where your lab fit
- Strategy and Implementation Summary
- Management Summary
- Financial Plan and Breakeven Analysis

2.

2.1. List five common functions of a Laboratory Information Management System (LIMS). (20)

2.2. Describe the limitations of conventional paper based systems in comparison to a Computerized Laboratory Information Management System. (40)

2.3. Discuss important factors to be considered when implementing a LIMS. (40)

3. "Laboratory-test costing-scheme takes into consideration recovery of all the expenses encountered in performing the test".

3.1 State the six principal categories under which the test-costing scheme has been based (20)

3.2 List the sub categories under relevant principal categories, taken in to consideration in computing test cost. (30)

3.3 Being a laboratory scientist, if you are assigned by the laboratory management committee to verify the prevailing cost of a laboratory test, describe the theoretical approach you would adopt to accomplish the assignment. (50)

4. You are appointed as a quality manager in a medical clinical laboratory. You were asked to prepare your laboratory for accreditation as per ISO 15189: 2012

4.1 List ten important different processes/procedures/manuals/documents/charts/records you would prepare for different analytical phases in your laboratory for the accreditation purpose. (20)

4.2 Describe the contents you would include in one manual you would prepare for the pre analytical phase. (40)

4.3 State briefly how you would implement equipment management plan in the laboratory. (40)