

FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA

Department of Medical Laboratory Science

Year End Examination – Year 3

7th Batch – Practical I– Laboratory Management



Tuesday 08th May 2018

Time: 9.00-10.00a.m

Duration: One hour (1 hour)

Answer all questions

Index Number:.....

Answer the following questions based on your vacation training.

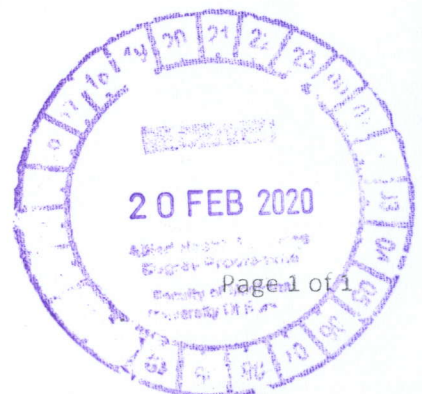
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01.

- 1.1. Identify the problems related to the waste management system in the laboratory: (20 marks)
- 1.2. Write an action plan to avoid the problems mentioned in 1.1. (30 marks)
- 1.3. State the errors you have noted in the use of laboratory equipment. (20 marks)
- 1.4. Briefly describe how those errors (stated in 1.3) could be minimized to provide a good laboratory service. (30 marks)

02.

- 2.1. Comment on the practice of Quality Control (QC) materials in your laboratory. (30 marks)
- 2.2. Briefly describe the practice of record keeping in the laboratory. (30 marks)
- 2.3. Write an action plan to minimize the errors that you have identified in the above 2.1 and 2.2. (40 marks)



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Department of Medical Laboratory Science

Year End Examination – Year 3

7th Batch – Practical II – Laboratory Management

Tuesday 08th May 2018 Time: 12.00 noon onwards Duration: One hour & thirty minutes (1 hour 30 min)

This is an open book examination. You can keep your lecture notes and text books with you.

1. As the laboratory manager of the laboratory “ABC”, you are going to implement a safety management programme within the laboratory. 31

1.1. Briefly describe the general requirements you would consider when designing a safe laboratory.

(30 marks)

1.2. Briefly describe the procedures you would follow during handling of chemicals. (40 marks)

1.3. Write the procedure you would follow during management of a biological spill in your laboratory premises.

(30 marks)

2. Perform a safety audit at the MLS laboratory, Uluwitiike.

2.1. Prepare a checklist to perform your safety audit based on the requirements for a safe laboratory.

(100 marks)

2.2. Perform the audit using the checklist prepared.

(200 marks)

2.3. Prepare an audit report with your recommendations.

(100 marks)



FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA

Department of Medical Laboratory Science

Year End Examination – Year 3

7th Batch - Theory - SEQ - Laboratory Management

Thursday 17th May 2018 Time: 10.00am – 12.00 noon (Two hours)



Answer all the questions

Index Number:.....

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1.
 - 1.1 Describe the importance of code of ethics for medical laboratories. (20 marks)
 - 1.2 State how a medical laboratory scientist should practice ethical behavior during the total testing process. (60 marks)
 - 1.3 You are about to take your first appointment as a medical laboratory scientist. Briefly describe the ethics that should be practiced in your personal behavior to reflect your professionalism. (20 marks)

2. You are the senior MLT in the Hematology section of Laboratory "A". You are planning to purchase a semi- automated coagulation analyzer for your section.
 - 2.1. State the factors that you would consider during procurement of the new equipment? (40 marks)
 - 2.2. The laboratory required to change their Prothombin reagent (PT) since the local supplier has stopped importing the reagent which is used currently. Describe how to validate a new PT reagent to be used in your laboratory. (60 marks)

3.
 - 3.1. What is supply chain management in a clinical Laboratory? (30 marks)
 - 3.2. List four steps in a procurement cycle. (20 marks)
 - 3.3. Discuss the importance of Estimation of reagents and consumables for a clinical laboratory. (50 marks)

4. Laboratory ABC is a large laboratory with specialized tests in all four disciplines. The management realizes that their competitors-laboratory XYZ have commenced highly specialized tests which are not available in the country. You are appointed as the technical manager of the laboratory ABC.
 - 4.1 Briefly outline how you would evaluate possibility of expanding test menu of your laboratory with introduction of new highly specialized tests. (briefly include evaluation of every aspect related to new test introduction) (50 marks)
 - 4.2 When the management announces introduction of 50 new tests, there was resistance from MLTs. Briefly outline how you would approach to solve this problem. (50 marks)

