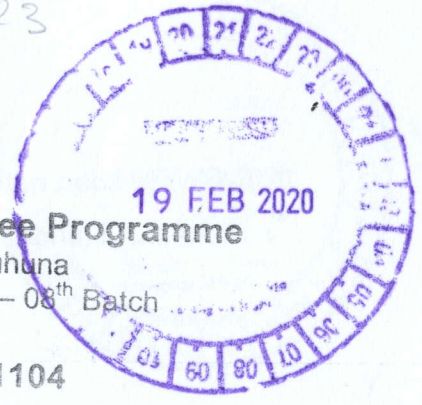




B.Sc. Medical Laboratory Science Degree Programme
Faculty of Medicine, University of Ruhuna
Year End Examination – Year 1 – 2017 – 08th Batch



Medical Laboratory Practice – MLS 1104

Friday 03rd February 2017 Time: 8.30 a.m. – 9.30 a.m. Duration: 1 hour

Answer all questions.

Index No:

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1.

1.1. Write **three** precautions that have to be taken when handling an autoclave. (06 marks)

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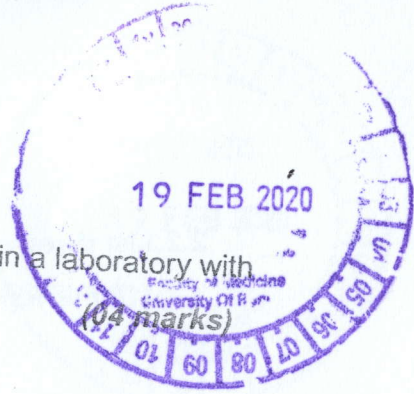
1.2. Write **two** uses of an autoclave for a laboratory. (08 marks)

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1.3. Name **three** documents that should be kept/maintained when using an autoclave in a laboratory. (06 marks)

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1.6.2. Name **two** substances/ chemicals that you can find in a laboratory with each of the symbols indicated above (1.6.1)

Symbol A

Symbol B

66

1.7. Indicate **one** function for each of the following instrument / laboratory item.

(05 marks)

1.7.1. Desiccator

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1.7.2. Crucible

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1.7.3. Conical flask

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1.7.4. Fume cupboard

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1.7.5. Cuvette

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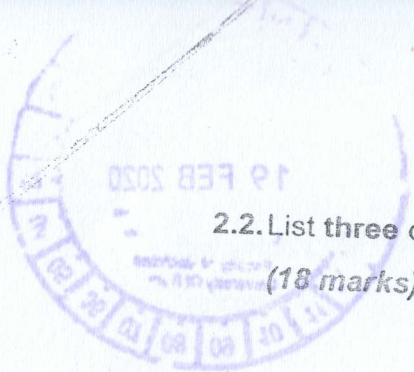
2. You have been appointed as the laboratory manager to the Pathology laboratory in a Base Hospital. Basic investigations in Clinical Biochemistry, Haematology and Microbiology are routinely performed in the above laboratory.

2.1. Name the **three** phases of the total testing process.

(6 marks)

- a)
- b)
- c)

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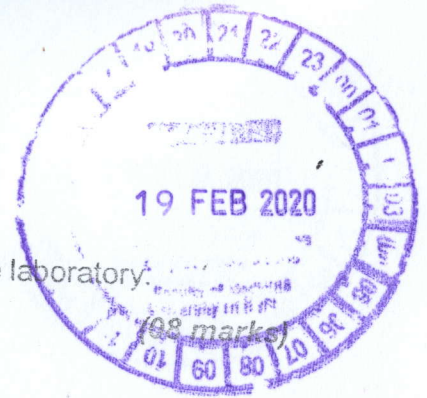


2.2. List **three** common causes of errors in each of the phases mentioned in 2.1. (18 marks)

- a)
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- b)
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- c)
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2.3. State **two** actions you should take in order to minimize the errors in the three phases mentioned in 2.1. (12 marks)

- a)
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- b)
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- c)
-



2.4. Name the categories of waste generated from the above laboratory.

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2.5. List four steps of the health waste management procedure. (08 marks)

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2.6. Write three universal precautions to be used when handling waste. (06 marks)

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2.7. You plan to obtain accreditation for the above laboratory.

2.7.1. What is meant by the accreditation of a medical laboratory? (10 marks)

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2.7.2. Write the essential components of an internal quality control (IQC) programme.

(08 marks)

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2.7.3. Name **two** methods used for external quality assessment (EQA).

(04 marks)

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2.7.4. List **five** benefits of external quality assessment.

(10 marks)

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2.7.5. Describe how you would apply the principles of ethics when performing laboratory investigations.

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