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THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF MEDICAL LABORATORY SCIENCES
ACADEMIC YEAR 2022/2023 – SEMESTER I

24 MAR
EXAMINATION DIVISION

BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS
MDU6404- MEDICAL LABORATORY QUALITY MANAGEMENT AND ACCREDITATION
FINAL EXAMINATION **DURATION: 03 HOURS**

DATE: 24th MARCH 2023 TIME: 09.30 AM – 12.30 PM

Part B: Structured Essay Questions (40 marks)

1.

1.1. In laboratory testing, "***poor quality and mistakes are costly***". Explain the statement giving three (03) reasons. (03 marks)

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1.2 Write down two (02) errors in the post-analytical phase of the testing process. (02 marks)

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1.3 Laboratory quality manager identified that there is an error in reports issued for serum TSH tests following a complaint by a physician. If you are the quality manager, write down how you will address/correct this issue. (05 marks)

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(Total: 10 marks)

2.

2.1. Define the term performance standards and give two (02) examples for common performance standards. (04 marks)

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2.2. Write down three(03) considerations in determining performance standards.(03 marks)

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2.3. Write the performance standard considering the following performance objective.

(03 marks)

The performance of employees of all levels should be evaluated annually.

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(Total: 10 marks)

3.

3.1. Define laboratory information system. (02 marks)

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3.2. List four (04) advantages of laboratory information system. (04 marks)

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3.3. Briefly describe four (04) factors to be considered when installing a Laboratory Information System. (04 marks)

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(Total: 10 marks)

4.

4.1. Define quality management system. (02 marks)

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4.2. Illustrate the structure of a laboratory report for HbA1c test including the important information aligned with requirements in ISO 15189. (05 marks)

4.3 Write down three (03) components of an induction program of a newly appointed medical laboratory scientist? (03 marks)

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(Total: 10 marks)

Part C: Essay Questions (30 marks)

1. Briefly describe the steps in purchasing a Hematological analyzer for your hospital laboratory. (15 marks)
2. Write an essay on how to conduct the performance appraisal in your laboratory giving pre-established criteria that are used in such process. (15 marks)

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