

**THE OPEN UNIVERSITY OF SRI LANKA  
FACULTY OF HEALTH SCIENCES  
DEPARTMENT OF MEDICAL LABORATORY SCIENCES  
ACADEMIC YEAR 2019/2020 – SEMESTER II**



089

**BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS  
MDU5211 – HEALTHCARE INFORMATICS  
FINAL EXAMINATION**

**DURATION: TWO HOURS**

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DATE: 6<sup>th</sup> MAY 2021

TIME: 09.30 AM – 11.30 PM

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**Part B: Structured Essay Questions (60 marks)**

**Q1.** Healthcare Informatics is the intersection of multiple disciplines and enables healthcare organizations to automate some of the work of decision making, cost control, and improve the quality of patient care.

1.1 Define what is Healthcare Informatics. (2.5 Marks)

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1.2 List five (05) current and new trends in Healthcare Informatics. (05 Marks)

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4. ....
5. ....

1.3 List five (05) important components of a hospital information system (HIS). (05 Marks)

1. ....
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1.4 Briefly discuss health information systems and related-regulations in Sri Lanka. (7.5 Marks)

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**3.4 Functions of a standard Laboratory Information Management System (LIMS) (05 Marks)**

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**(Total 20 Marks)**

**Part C: Essay Question (20 marks)**

**Q1.** Explain how does the linking laboratory information management system (LIMS) and hospital information management system (HIMS) improve the healthcare delivery in tertiary care hospitals, Sri Lanka?

**(20 Marks)**

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