

DATE: 23rd OCTOBER 2024

TIME: 1.30 PM – 3.30 PM

Part B: Structured Essay Questions (60 marks)

Question 01

Informatics is a relatively new topic in healthcare. A simple definition of informatics in healthcare is the application of computing and communication technology to improve the physical, psychological, and physiological welfare of a patient. At a macro level, this definition includes how we use technology to improve quality of life.

1.1 Define the term “Informatics Literacy”. (02 Marks)

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1.2 State the three (03) levels of informatics education and training. (06 Marks)

- i.
- ii.
- iii.

1.3 What is Actor-Network Theory in healthcare informatics? (03 Marks)

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1.4 Briefly describe the three (03) main components of a health information system. (09 Marks)

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(Total 20 Marks)

Question 02

Privacy and confidentiality are important elements in the relationship between patient and care provider.

2.1 Define the terms “Privacy” and “Confidentiality” in healthcare. (04 Marks)

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2.2 What is the aim of Health Insurance Portability and Accountability Act (HIPAA)? (04 Marks)

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2.3 Mention three (03) types of HIPAA safeguards and give two (02) examples for each.

(09 Marks)

HIPAA safeguards	Examples
1.	i. ii.
2.	i. ii.
3.	i. ii.

2.4 What is HIPAA compliance?

(03 Marks)

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(Total 20 Marks)

Question 03

Write short notes on the following topics.

3.1 The Health Informatics Society of Sri Lanka (HISSL)

(05 Marks)

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3.2 National eHealth-based documents developed by National eHealth Steering Committee in Sri Lanka. (05 Marks)

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3.3 Syntactic and semantic interoperability (05 Marks)

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3.4 Health information technology change management.

(05 Marks)

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(Total 20 Marks)

Part C: Essay Questions (20 marks)

Question 01

Describe the Open Health Information Exchange (OpenHIE) architecture. Use diagrams where appropriate.

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