DATE: 29th SEPTEMBER 2022   TIME: 01.30 PM – 03.30 PM

Part B: Structured Essay Questions (60 marks)

Question 01

Healthcare informatics is the science of collecting, storing, analyzing, and retrieving health data for decision making and good healthcare delivery. Integration of information technology in healthcare enables low-cost and high-quality care. The use of informatics in clinical research known as Clinical Research Informatics.

1.1 Define the term Clinical Research Informatics.   (2.5 Marks)

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1.2 List five (05) information needs that are essential for conducting clinical research.

(05 Marks)

I. ....

II. ....

III. ....

IV. ....

V. ....
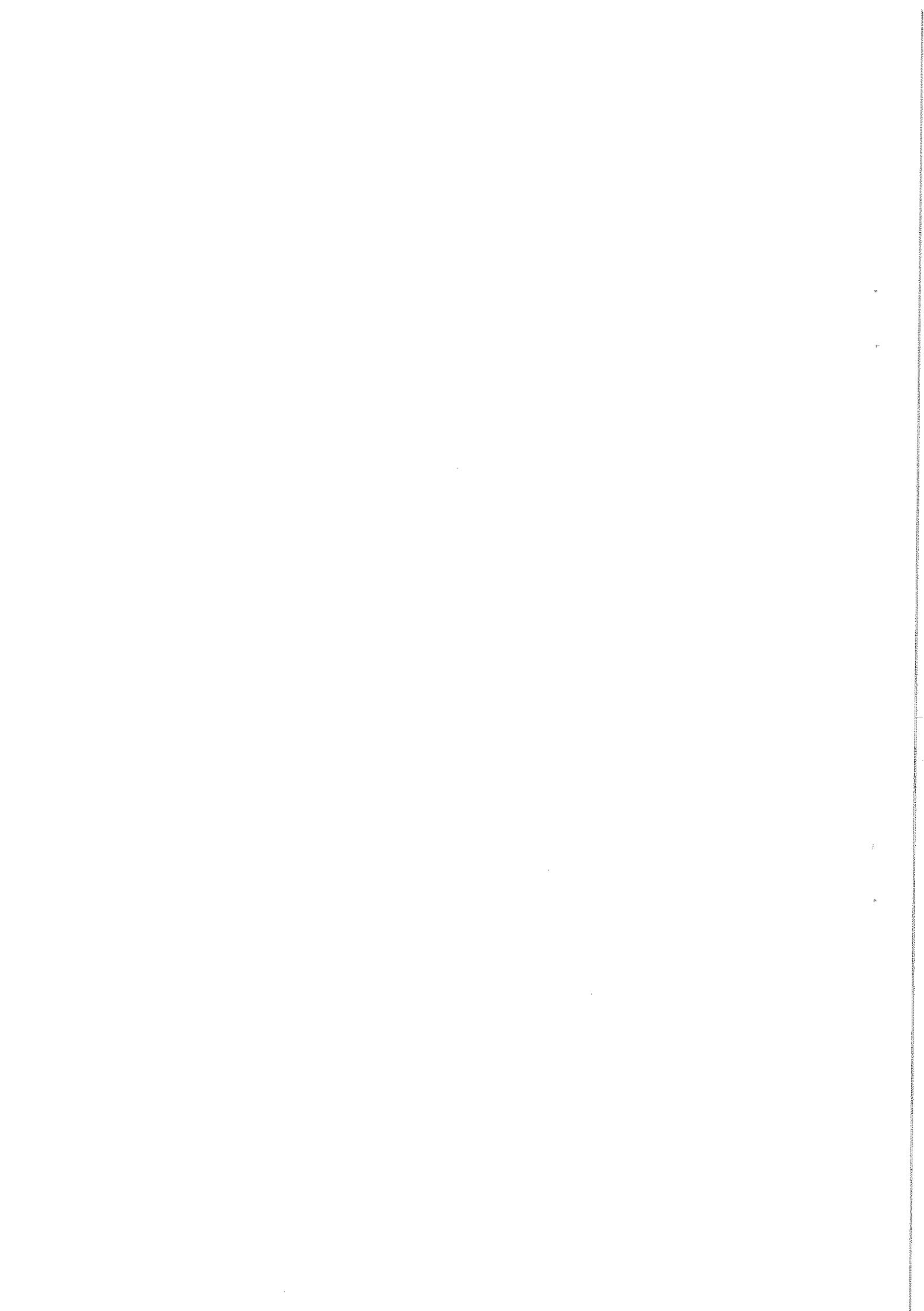
1.3 List five (05) important components of a Health Information System.   (05 Marks)

I. ....

II. ....

III. ....

IV. ....

V. ....

1.4 Briefly describe the functions of health informatics in the health society of Sri Lanka.

(7.5 Marks)

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(Total 20 Marks)

Question 02

Electronic storage and movement of medical/clinical information is becoming a standard practice in advanced health information technologies. Health Information Exchange (HIE) is a vital element of advanced and efficient health care system.

2.1 Define the term "HIE.   (2.5 Marks)

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2.2 List five (05) benefits of using HIE.   (2.5 Marks)

I. ....

II. ....

III. ....

IV. ....

V. ....

2.3 Discuss the importance of HIE in healthcare practice. (06 Marks)

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2.4 Briefly describe three (03) primary infrastructure models used in HIE in order to transmit health information efficiently. (09 Marks)

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(Total 20 Marks)

Question 03

Write the short notes on the followings.

3.1 Laboratory Information Management System.   (05 Marks)

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3.2 Limitations of eHealth.   (05 Marks)

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3.3 Current trends in health informatics.   (05 Marks)

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3.4 Benefits of Good Quality Health Information.   (05 Marks)

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(Total 20 Marks)

Part C: Essay Questions (20 marks)

Question 01

Describe the benefits and challenges of implementing Electronic Health Record in clinical
setting.   **(20 Marks)**

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