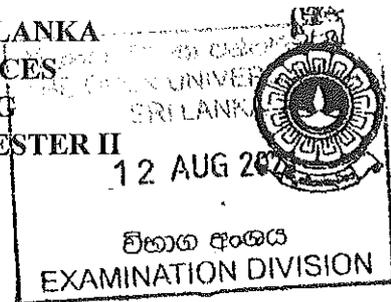


THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF NURSING
ACADEMIC YEAR 2019/2020- SEMESTER II



BACHELOR OF SCIENCE HONOURS IN NURSING
NGU5208- HEALTH CARE INFORMATICS - LEVEL 5
FINAL EXAMINATION

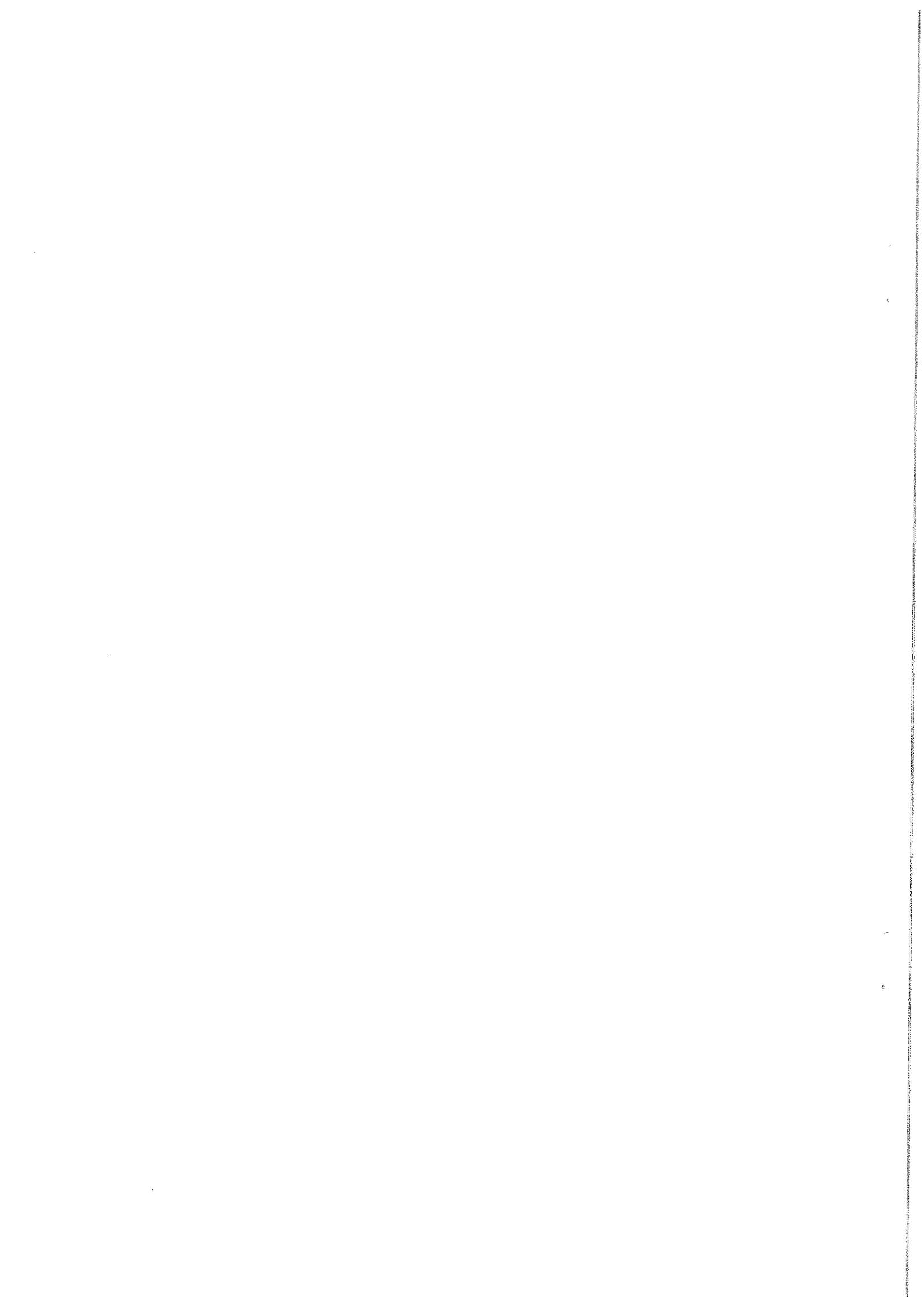
DATE: 12TH AUGUST 2021

TIME: 01.30PM -3.30 PM

Part B – Fill in the blanks using the correct words given in the brackets. (10 marks)

1. Role of health informatics emerged with the use of the
in clinical setting.
2.refers to how much the user believes that the
technology will help to improve the performance/efficiency.
3.is a unique healthcare identification to all Sri
Lankans.
4. focus on transiting individuals and groups from
current to a future state
5.is an Artificial Intelligence(AI) based software
used in healthcare settings in developed countries.
6. monitors the patient who are in risk through
infra-red camera.
7. denotes the recording of data in the same way and with
the same meaning across records.
8.is a recommendation for future development in nursing
education in Sri Lanka.
9. A specific plan should be developed forof data.
10. In....., utilize security controls to protect against a
risk until the risk's impact is reduced to a level that the organization can tolerate.

(Risk Acceptance, IBM Watson, Information systems, Personal Health Record (PHR),
Perceived Usefulness, Consistency, Accuracy, Simulation lab, Risk Mitigation, retrieval, Fall
surveillance systems, Personal Health Number, Change management)



Part C - Short Answer Questions

(40 marks)

Question 01 (20 marks)

The provision of health care is a very complex and sensitive area in which many stakeholders are involved. When treating a patient or delivering health-related services, every health-care professional is obligated to follow basic ethical norms. Ethical principles for informatics are derived from basic ethical principles and are more specifically tailored to address issues in the informatics sector.

1.1 Write **four (04)** general principles for informatics ethics. (04 marks)

- I.
- II.
- III.
- IV.

1.2 List **two (2)** Sri Lankan laws that can be applied in a practical setting where ICT is used to deliver health care. (04 marks)

- I.
- II.

1.3 Briefly discuss how you can use authentication, authorization, and accounting as technical approaches to protecting electronic health information. Provide one example for each of them. (06 marks)

- I. Authentication
 -
 -
 -
- II. Authorization
 -
 -
 -
- III. Accounting
 -
 -
 -

Index No:

1.4 Discuss **two (02)** challenges in securing electronic health information compared to paper-based health information. (06 marks)

- I.
.....
.....
- II.
.....
.....

Question 02 (20 marks)

2.1 Explain “Electronic Medical Record (EMR)” and “Electronic Health Record(EHR)”.

(06 Marks)

Electronic Medical Record (EMR)
Electronic Health Record (EHR)

2.2 List **four (04)** sub module that can be maintain within a Hospital Information System (HIS).

(04 marks)

- I.
- II.
- III.
- IV.

2.3 Briefly explain the main purpose of maintaining island wide disease registries. (04 marks)

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Index No:

2.4 Provide suggestions for adopting telehealth and telemedicine for preventive and curative aspects to ensure continuity of temporary suspended healthcare in Sri Lanka during the COVID 19 outbreak. (06 marks)

I. Preventive aspects

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II. Curative aspects

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