

THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF NURSING
ACADEMIC YEAR 2020/2021 – SEMSETER II



00010

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

DURATION: 2 HOURS

DATE: 07TH OCTOBER 2022

TIME: 2.00 PM – 4.00 PM

INDEX NO:.....

NIC NO:.....

Part B – 10 Matching Questions (10 Marks)

Match the phrase given on the column I with the most suitable phrase or word given on the column II. Write the relevant 'letter' given in front of each phrase or word on the right side, in the given space.

Column I		Column II
1. Spreadsheet Application	()	A. Clinical Data Warehouse
2. The same piece of data exists in multiple places	()	B. Big data ecosystem
3. Open-source learning management system	()	C. Electronic Health Records
4. A permanent change in custodianship of the information	()	D. Moodle
5. Main factor for human behaviour according to the Theory of planned behaviour	()	E. Lifelines
6. A real time database that collects data from a variety of clinical sources for a single patient	()	F. Microsoft Access
7. Operational Information System	()	G. Data redundancy
8. A one-screen overview of the record using timelines provides direct access to the data	()	H. Microsoft Excel
9. Information is represented in a graphical representation	()	I. Disposition
10. Introduced in last stage of the evolution of health care analytics	()	J. Intention
		K. E-learning
		L. Infographics

Part C - Short Answer Questions (40 Marks)

Write answers within the space provided.

Question 01 (20 Marks)

1.1 Compare Electronic Health Record (EHR) and Electronic Medical Record (EMR).

(06 marks)

EHR	EMR

1.2 State **four (04)** key concepts should be considered when designing the human-computer interface for a newly developing EHR system. (04 marks)

- i.
- ii.
- iii.
- iv.

1.3 Assume that you have been appointed as a nurse informaticist for planning & implementing novel informatics projects to the **preventive health sector** of Sri Lanka. You need to identify a problem and prepare a project proposal as the first step.

1.3.1 Give a brief description on problem identified (03 marks)

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1.3.2 What is the suggested health IT project? (02 marks)

1.3.3 Explain how the suggested project would improve the preventive care in Sri Lanka. (05 marks)

Question 02 (20 marks)

2.1 What does each A stand for in Triple A concept of Information Security. Briefly describe each of them. (06 marks)

i.

ii.

iii.

2.2 Briefly explain the **four (04)** risk treatment techniques.

(08 marks)

i.
.....

ii.
.....

iii.
.....

iv.
.....

2.3 List **three (03)** reasons for the importance of privacy and security of patient's health information.

(06 marks)

i.
.....

ii.
.....

iii.
.....

