

THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF NURSING
ACADEMIC YEAR 2022/2023 – SEMESTER II



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

DURATION: 2 HOURS

DATE: 15TH SEPTEMBER 2023

TIME: 2.00PM – 4.00 PM

INDEX NO:

NIC NO:

Part B - Short Answer Questions (60 Marks)

Question 01 (20 Marks)

- 1.1 Define the term “Healthcare Informatics” (03 marks)
- 1.2 State the key steps that are involved in the System Development Life Cycle (07 marks)
- 1.3 Outline **four (04)** categories of system maintenance. (06 marks)
- 1.4 List **four (04)** ways that e-learning provides flexibility for nurses who are busy with their work shifts, clinical responsibilities, and ongoing education (04 marks)

Question 02 (20 marks)

- 2.1 State **three (03)** components of “CIA triad”. (03 marks)
- 2.2 Outline **three (03)** reasons for the importance of maintaining privacy and security of patient's health information. (06 marks)
- 2.3 List **three (03)** ways of protecting the patients' information that are stored in the computer systems (06 marks)
- 2.4 Ministry of Health is planning to introduce “Patient appointment- identification system” for ante-natal clinics. Briefly describe the benefits that you would expect from this new system in ante-natal clinics. (05 marks)

Question 03 (20 marks)

- 3.1 State **four (04)** informatics applications that are currently functioning in Sri Lankan healthcare setting. (04 marks)
- 3.2 Outline **four (04)** barriers in the development of the Health Informatics sector in Sri Lanka. (08 marks)
- 3.3 Informatics nurses are spending more time on computers, and it may lead to number of health problems. List **four (04)** examples for such health problems. (04 marks)
- 3.4 List **four (04)** contributing factors for workplace related injuries during their working hours. (04 marks)

Part C - Structured Essay Question (20 Marks)

Write an article to a newsletter regarding "Trends in Digital Health". Discuss current trends of digital health with the examples in your article in order to enhance the interest on digital health among readers.