Programme: Bachelor of Nursing Science
Course Code: NSC508
Course Title: Fundamentals of Nursing Informatics
Course Credit Units: 3 Units
Time Allowed: 2 Hours
Total Score: 70 Marks
Instruction: Answer All the Questions

Question 1
1. Data, information and knowledge are key components of nursing informatics and helps in understanding clinical information systems and their impact on health care.
   a. Explain the following concepts (12 marks);
      i.   Data
      ii. Information
      iii. Knowledge
   b. Discuss the contributions of Graves and Corcoran (1989) to nursing informatics (5.5 marks)

Question 2

2. Standards are critical in the development and implementation of electronic health records.
   a. Outline any two (2) problems associated with nursing data standards (4 marks)
   b. Briefly discuss Decision Support System (DSS). (5.5 marks)
   c. List and explain four (4) functions of electronic clinical decision support systems (8 marks)

Question 3

3. The most common moral health is moral conflict in deciding how to balance the needs of "many" and "individual" rights.
   a. What is Ethics (2 marks)
   b. List and briefly describe three (3) approaches to examining moral life (4.5 marks)
   c. Outline the four (4) principles of Informatics ethics as presented by Severson in 1997 (5marks)
   d. Discuss the relationship between social media and ethics (6 marks)

Question 4
4. Nursing education and research are viable areas where nursing informatics can be effectively applied.
   a. Enumerate any five (5) applications of nursing informatics to nursing education (5 marks)
   b. Highlight two major classification of research (5 marks)
   c. Outline and briefly discuss any five (5) applications of nursing informatics to research 7.5 marks)