

**NR 360 Open Book Quiz One.** Completing and submitting the answers to this quiz represents my personal individualized work.

### **Chapters 1-4, Nursing Informatics and the Foundation of Knowledge.**

1. Essay: In a minimum of 175 words describe the Foundation of Knowledge Model and how it relates to the nurse as a knowledge worker.

The foundation of the knowledge model is a tool used to meet the needs of knowledge. The foundation of knowledge includes various steps such as knowledge acquisition, knowledge dissemination, knowledge generation, and knowledge processings. You must gather the data necessary to arrange the information and generate and disseminate the resulting knowledge. The foundation of knowledge model is a tool where nurses concentrate on information as a key building block of knowledge. As a nurse enhances more knowledge and understanding on the science of nursing, independence begins to establish and the foundation of knowledge starts working. Nurses must have lifelong ongoing education and apply the knowledge in the practice of nursing. Nurses are knowledge workers, information is their primary resource and they work by intersecting phases. They are always acquiring, processing, assimilating, retaining, and using the information to create and disseminate knowledge. Nurses work by receiving information and knowledge as the end result. Nurses will always maintain the knowledge, distribute, and implement. An example of a nurse knowledge worker is a new graduate nurse working on the floor and is discharging a patient with stage 2 wound. The nurse is applying knowledge work because she is educating the patient and providing the teach back method on how to clean and change their dressing at home. The nurse received knowledge training on wounds care, distributing knowledge to the patient, and implementing by applying the teach back method to the patient.

2. Essay: In a minimum of 175 words explain why Information Science is considered an integrative science and describe the process in which this disseminates knowledge?

Information science is considered an integrative science because it features multiple branches such as cognitive science, communication science, computer science, library science and social science. However information science is mainly focused on input, processing, output and feedback of data and information by technology integration. Disseminate Knowledge produces helpful information which can be read as output in the form of a document, report, or summaries. It is knowledge that can lead to change causing awareness, understanding and action. Integrating both information science and disseminate knowledge will help share all interdisciplinary science involved in information science. Disseminating knowledge will allow many people to understand information science and apply it to their daily lives. For example, using the scanning system when administering medications at a patient's bedside, we nurses rely on that