**Principles and Practice of Health Informatics**

**WRITTEN FINAL ASSIGNMENT**

**Master of Science in Health Informatics**

**A. INSTRUCTION**

One of the requirements of this course is to complete one final assignment of a given topic in **Principles and Practice of Health Informatics.** Attached in this packet are the guidelines, instructions, and due dates for the assignments. Please keep the following expectations in mind:

1. Each assignment is worth 100 points.
2. Read instructions carefully and be sure to complete all aspects of the assignments.
3. Be thorough and complete in your work. Simple “yes/no” answers or “I agree” comments are not sufficient.
4. The assignments are developed to correspond to topics that we will be studying throughout the term. You will get the most out of the assignments if they are done well. Therefore, you will need to turn in your work by the deadlines designated in your syllabus and on the assignment sheet. No late assignments will be accepted.
5. All written assignments must be typed and double-spaced.

**B. DIRECTIONS.** After reading your two textbooks, answer all the following questions and case study as comprehensive as possible.

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| **No.** | **QUESTIONS** | **MARK** |
| **1** | Briefly discuss the Bayes’ theorem. | 10 marks |
| **2** | Explain the viability of existing computer-based records as a tool for supporting care. | 10 marks |
| **3** | Describe the three grand challenges for health informatics. | 10 marks |
| **4** | Evaluate knowledge representation in health informatics. | 10 marks |
| **5** | Briefly explain the standards and initiatives that have an enormous impact on the design and implementation of computer systems for applications in health care. | 15 marks |
| **6** | Explain the process of dealing with incomplete information in health informatics. | 15 marks |
| **7** | Discuss the relevance of information technology and organizational transformation. | 15 marks |
| **8** | Explain the role information technology in achieving change. | 15 marks |
|  | **TOTAL** | **100 marks** |