Public Health Informatics Exams

Section A: Required

1. Describe how public health practice can be strengthened by improved health information exchange through an enterprise architecture.(50)

Section B: Answer Any One

1. Describe in detail how a public health informatics tools can strengthen the implementation of the Public Health Act in Zimbabwe. (50)
2. This is a two part question
   a.   Describe the characteristics of big data and its possible applications in commerce and health care. (25)
   b.   How can public health practice leverage upon the emerging fields of data mining and knowledge discovery? (25)
3. This is a two part question
   a. Define standards, and security in the context of electronic patient record systems. How can security be implemented in an electronic medical record system. (25)
   b. What are the requirements for Internet services of availability, ubiquity, bandwidth, latency and security of the different health care service domains? (25)
4. This is a two part question
   a. Describe the potential of mobile health applications in strengthening public health practice in Zimbabwe. (30)
   b. How can change be managed in a health care organisation that is adopting electronic information management systems (25)

   End