

## **Multimedia Systems Development (IT441)**

### **Assignment 1**

*Deadline: 20-Oct-2016 at 11:59 pm.*

#### **Important Instructions:**

---

1. Read and understand the questions carefully.
  2. Take your assignment as an opportunity to raise your understanding for the course materials; work on it during the whole allowed period to provide original answers, do not wait for one day before the deadline to work on your assignment
  3. This is an individual work, so make sure it is your own.
  4. Search the textbook or other resources to have a better understanding of the questions.
  5. Use 'Word Processor' to answer the questions, do not include text as image...
  6. Submission must be through the submission folder set by your instructor on Blackboard, no email submissions will be accepted.
  7. Late submission or plagiarism will result in ZERO mark.
  8. This assignment worth 4 marks of the total course mark
- 

#### **Question 1 (1 Mark)**

1. Why was the Macintosh a turning point in multimedia computing?
2. Why was Tim Berners-lee's development of the World Wide Web significant in the evolution of multimedia?

#### **Question 2 (1.5 Marks)**

Give a satisfying explanation for the following terms, use examples and at least 2 references, other than the textbook, to justify your answer:

- Parity bit
- Quantization
- Transfer rate

#### **Question 3 (1.5 Marks)**

1. Identify and explain the three major steps for effective file maintenance.
2. How do clock speed and word size determine the performance of a CPU?
3. which secondary storage devices are appropriate for :
  - a) Saving data during edit process.
  - b) Backup data and applications.
  - c) Distribute data and applications.
  - d) Transport data and applications.
  - e) Archive data and applications.