Assignment 1

Basic components of IT

1- Discuss the major components of a computer system

2- Differentiate between Data, Information, Knowledge and wisdom

3- Differentiate between how data is organized in a Computer System (bit,…..,

Database)

4- What is meant by Big data?

5- Compare between computer viruses and worms:

i. How they invade the computers?

ii. How do they spread in the computer?

iii. Which will spread faster than the other, worms or viruses? Why?

6- What is the difference between a hacker and a cracker?

7- Discuss three computer crimes (Denial-of-service (DoS) attack, identity theft, click

fraud)

8- What is meant by authentication? Give examples of different authentication

techniques

9- What are the different hardware and software consideration?

Answers :

1. The main components of a computer system are :
2. People : They are the most important component of a computer because it is designed for them
3. Hardwear