**Philadelphia University**

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**Faculty of Information Technology**

**Department of Software Engineering**

**Examination Paper**

**Lecturer : Ms. Enas Al-Naffar**

**Coordinator : Mr. Saeb ALi**

**Internal Examiner: Dr. Mohammed Taye**

**Computing Ethics (721240) First Exam 2nd semester** **2012-2013**

**Date: 1-4-2013**  **Section: 2**   **Time**: **50 Minutes**

**Information for Candidates**

1. *This examination paper contains 6 questions. The total is 20.*
2. *The marks for parts of questions are shown in round brackets.*

***I. Basic Notions***

*Objectives: The aim of the question is to evaluate your knowledge and skills concerning with the basic concepts of* ***Computing Ethics***

**Question 1: [4 marks]**

A- state whether the following statements is True or False: (2 marks)

**­­­­1.**\_\_\_\_\_\_ Wikipedia relies upon an advertising-based business model.

2. \_\_\_\_\_\_ Researchers are developing brain-computer interfaces to enable severely handicapped people to control appliances with their thoughts.

B- Describe two computer applications that have improved the quality of life for disabled people. (2 marks)

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**Question 2**: **[4 marks]**

What is the difference between Invisible information gathering and Secondary use?   
Give an ***example*** on each one of them.

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**Question 3: [5 marks]**

A- Which policy is better in terms of protecting users' privacy: Opt-in or opt-out? Justify your answer. (3marks).

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1. Give one example of changes in technology that raised a need to modify existing laws (2 marks)

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### *II. Familiar Problems Solving*

### *Objectives: The aim of the question is to evaluate your basic knowledge of the key aspects of the lectures material and your ability to solve familiar problems.*

**Question 4: [2 marks]**

Ownership of personal data means people should be given property rights of information about themselves. Give one argument against this principle.

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**Question 5: [2 Marks]**

Lots of companies nowadays provide free internet services or computers to people, in exchange for collecting information about the people's web activity.

Does this behavior respect users' privacy or violate it? Justify your answer.

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***III. Unfamiliar Problems Solving***

Objectives: *The aim of the question is to evaluate your knowledge of the key aspects of the lectures material and your ability to solve unfamiliar problems.*

**Question 6: [3 marks, 1.5 marks each]**

A governmental agency used a professional hacker to break into a database that belongs to a suspected party (organization).

Would this act be an ethical one under the:

1. ***Deontological theory***?
2. ***Utilitarianism theory***?

***Justify your answer in both A and B.***

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Good Luck ☺