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**JOMO KENYATTA UNIVERSITY**

**OF**

**AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2014/2015**

**YEAR IV SEMESTER I EXAMINATION FOR THE DEGREE OF BACHELOR OF BUSINESS INFORMATION TECHNOLOGY**

**BIT 2313: PROFESSIONAL ISSUES IN INFORMATION TECHNOLOGY**

**DATE: AUGUST 2015 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS**

**QUESTION ONE**

1. Explain the difference between a patent and a copyright. [4 marks]
2. Describe ways in which email and web privacy have been breached over the recent years. [4 marks]
3. Explain the risks posed by artificial intelligence. [6 marks]
4. List FOUR objections to the concept of licensing computer professionals. [4 marks]
5. Explain the following terms:
6. Netiquette
7. Digital divide
8. Moral codes
9. Deskilling [8 marks]
10. Discuss a model that can be used to licence a computer professional. [4 marks]

**QUESTION TWO**

1. Ethical theories have been coined as frameworks for moral decision making. Explain the main critics of the four main theories. [8 marks]
2. Discuss the legal, moral and ethical issues involved in the wiki leaks case. [12 marks]

**QUESTION THREE**

1. Discuss the impact of the social websites like twitter and facebook in the society. [14 marks]
2. Explain the three bodies that exist for standardization, improvement and coordination of the internet. [6 marks]

**QUESTION FOUR**

1. Explain FIVE rights that copyright owners enjoy on their products. [5 marks]
2. Describe any reasons that make the protection of intellectual property difficult in the domain of digital goods. [6 marks]
3. There are many thousands of laws around the globe – national laws, state laws, local laws. Each law has a specific jurisdiction where it applies. Explain three areas in which the internet has generated jurisdiction ‘policy vacuums’. [9 marks]

**QUESTION FIVE**

Scenario I

In a company, a clerk develops a computer program in his spare time (lunch breaks) that could be of significant value to his employer. His employer claims ownership of the programs on two grounds

* That the program is related to his normal activities as an employee
* That the employee used the companies equipment when creating the program.

Scenario 2

In the same company, a computer programmer moves to another company taking with him a program that was under development.

Discuss the legal, moral and ethical issues involved in both scenarios. [20 marks]