The American University in Cairo

Computer Science & Engineering Department

CSCI 106-05

Dr. KHALIL	Quiz-I	Fall 2010
Last Name : ··		**ID:** ·································
First Name: ··		**Form - I**

EXAMINATION INSTRUCTIONS

* Do not turn this page until asked to do so.
* Exam time is **30** minutes.
* Put the answers on the same question sheet, do not use any additional papers, even for scratch.
* Write your name, ID, section no. in the indicated places.
* Read the exam instructions.
* Read the honesty policy.
* Sign the following statement.

Academic Integrity Policy

Cheating in Exams is a violation of the Academic Integrity policy of AUC. Whispering, talking, looking at someone else's paper, or copying from any source is considered cheating. Any one who does any of these actions or her/his answers indicates that she/he did any of them, will receive a punishment ranging from zero in this exam to failing the course. If repeated, it may lead to dismissal from AUC.

I have read the honesty policy and exam instructions and I am presenting this exam as entirely my effort.

Signature: _____

DO NOT USE THIS SECTION

Question	Points	Grade
1	15	
2	10	
3	15	
Total	40	

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Question 1 (15 points)
Circle the word or phrase that completes each statement:

1. Which of the following devices stores instructions that help the computer start up?
    a. Joystick　　　　　b. RAM　　　　　c. ROM　　　　　　　　d.monitor

2. Which of the following units represents the largest amount of data?
    a. kilobyte　　　　　b. terabyte　　　　　c. gigabyte　　　　　　d.megabyte

3. Which type of software is used for creating slide show?
    a. Web design software　　　　　b. presentation software　　　c. word processing software
        d.spreadsheet software

4. The Internet is open to _____
    a. members　　　　　b. government agencies　　　c. university researchers　　　d.anyone who can
        access it

5. The Internet acts as a _____ for services such as World Wide Web and e-mail.
    a. provider　　　　　b. host　　　　　c. carrier　　　　　d.server

6. The _____ standard promises to provide enough characters to cover all the world's languages
    a. ASCII　　　　　b. RAM　　　　　c. Unicode　　　　　d. EBCDIC

7. You can connect an electronic instrument to your computer via the _____ port.
    a. USB　　　　　b. PS2　　　　　c. HDX　　　　　d. MIDI

8. A _____ is an example of a magnetic storage device.
    a. Flash memory drive　　　　　b. CD-ROM drive　　　　c. hard disk drive　　　　　d.　optical
        drive

9. To remove a program from your computer, you can _____ it.
    a. uninstall　　　　　b. delete　　　　c. store　　　　d. transfer

10. A computer program is a collection of _____ that are carried out by the computer's CPU.
    a. instructions　　　　　b. loops　　　　c. steps　　　　　d. algorithms

11. The 1s and 0s that CPUs can understand is called its _____.
    a. syntax　　　　　b. interrupt　　　　　c. interpreter　　　　d. machine language

12. _____ programming languages use familiar words rather than the detailed strings of 0s and
    1s that make up machine instructions.
    a. machine　　　　　b. assembly　　　　　c. high-level　　　　d. All

13. A _____ is someone who uses a compute and a network or Internet connection to intrude into
    another computer or system to perform illegal act.
    a. hacker　　　　　b. programmer　　　　c. terrorist　　　　d. spammer

14. The _____ detects syntax errors in a source program written in a high-level language.
    a. editor　　　　　b. compiler　　　　c. assembler　　　　d. processor

15. _____ is a code attached to another program that spreads through a computer's disk memory,
    disrupting the computer or erasing information.
    a. interrupt　　　　　b. spam　　　　c. computer virus　　　　　d. algorithm

16. _____ is the violation of copyright agreements by illegally copying software for use in another
    computer.
    b. cheating　　　　　b. spam　　　　c. software piracy　　　　　d. hacking

QUESTION 2 (10 points)

Some of the following statements are completely correct while others are partially correct (only part of it that is incorrect). Mark those statements that are correct and try to correct those that are partially correct.

1. A software product is an intellectual property. It is an original work of authorship. Intellectual property has rights that can be assigned, licensed, or used as collateral. There are currently four commonly used ways in which intellectual property rights can be identified and hence protected:

    (1) Registration   (2) Patent   (3) Trademark   (4) Trade Secret
....

2. Software Piracy is the acquisition and use of legal copies of software.
....

3. Because the source program in a software product is an original work of authorship, it is protected by copyright law. Copyright law protects all original works of authorship against unauthorized copying. Copyright protection means that the owner of the copyright has not the exclusive right to make, use, and/or sell the original work.
....

4. The size of Computer storage is measured in terms of Kilobytes, Megabytes, and Gigabytes, where one Kilobyte = 10^3 Bytes, one Megabyte = 10^6 Bytes, and one Gigabyte = 10^9 Bytes.
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QUESTION 3 (15 points)

1. Convert the following to the base indicated:

    $(54)_{10}$ = ($)_2$

    $(111000101)_2$ = ($)_{10}$

    $(100000000)_2$ = ($)_{10}$

    $(111111111)_2$ = ($)_{10}$

    $(197)_{10}$ = ($)_2$

2. Add $(55)_{10}$ to $(33)_{10}$ in binary format.