# Palestine Polytechnic University
## College of Information technology and Computer Engineering
## Computer Programming Principles 5055
## First Exam

Student Name:_____      _____ (الاسم (عربي

Date: 13/10/2019                                    Student Number:_____

Times: 60 Minutes                                   Section:_____

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ضع اشاره بجانب اسم المدرس

| | | | |
|---|---|---|---|
| مازن زلوم ☐ | خالد الدغامين ☐ | علاء الحلواني ☐ | ازدهار جوابره ☐ |
| يوسف صلاح ☐ | ضياء ابو زينة ☐ | محمد الجعبري ☐ | ليانا التميمي ☐ |
| | | سوزان سلطان ☐ | ربى سلطان ☐ |

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| Question # | 1(15) | 2(15) | 3(10) | Total Grade (40) |
|---|---|---|---|---|
| Grade | | | | |

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**Question 1(15 points):** Choose the <u>most suitable</u> answer and fill it in the table below:

يرجى تعبئة الإجابات في الجدول التالي

| Question no. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Answer** | b | c | b | a | a | d | b | c | b | c | b | b | a | d | b |

1.  **Screen Resolution is**

    a.  The number -+of bits contained on a display
    b.  The number of pixels contained on a display

    c.  The Width to height Ratio of the display
    d.  The number of colors the display can have

2.  **The main memory (RAM) in the computer is used for:**

    a.  Interpreting and executing computer instructions.
    b.  Storing Programs and Data permanently

    c.  Storing Programs and Data temporarily before execution
    d.  Output data and programs.

3. **A user can do Defragmentation process on:**

   a. RAM
   b. HDD.

   c. ROM
   d. Cache.

4. **One of the following is an impact printer**

   a. Daisy wheel
   b. Plotter

   c. Thermal printer
   d. inkjet

5. **Device Driver is:**

   a. Software.
   b. Hardware

   c. Adapter.
   d. Card.

6. **An example of proprietary Operating system is**

   a. Android
   b. Unix
   c. Linux.
   d. IOS.

7. **The measure that is related to the amount of data that can be transmitted over a network in a given amount of time is**

   a. Distance
   b. Bandwidth
   c. Size
   d. Cost

8. **For ADSL, the upstream and downstream transmission rate are**

   a. The same
   b. Upstream is larger
   c. Downstream is larger
   d. None

9. **Data Over the Internet is, by default, sent**

   a. Encrypted.
   b. Unencrypted.
   c. Protected
   d. None.

10. **Which of the following is an image input device**
    a. Screen.
    b. Projector.
    c. Scanner.
    d. Trackball.

**11. The Memory management is a job of**

    a.  CPU
    b.  Operating System.

    c.  Utility Program.
    d.  An Application Program.

**12. If someone created a website just to look like your Bank website and sent you the link to the site to fool you to enter your username and password. This kind of attack is known as:**

    a.  Password Attack.
    b.  Phishing Attack.

    c.  Social Engineering Attack.
    d.  Brute Force Attack.

**13. Increasing the main memory size (capacity) will**

    a.  Increase the system performance
    b.  Decrease the system performance

    c.  Has no effect on performance
    d.  Nothing of the above.

**14. What type of network devices you will need if you want to extend the signal of your home Wi-Fi**

    a.  Switch
    b.  HUB

    c.  Router
    d.  Repeater

**15. Which of the following is a network security system**

    a.  Worm
    b.  Firewall

    c.  Wi-Fi
    d.  Malware

**Question2(15 points): Read these sentences carefully, then answer with true or false**

| | | |
|---|---|---|
| 1. | iPAD device is considered of type personal computers. | F |
| 2. | Cookies are files stored on servers to collect data about users of websites. | F |
| 3. | Registers are storage locations that reside between CPU and RAM. | F |
| 4. | Blu-ray technology uses laser beams to read and write data. | T |
| 5. | 2048 Kilobyte is equal to 2 Megabyte. | T |
| 6. | Cache memory is the fastest type of memory inside a computer. | F |
| 7. | Modem is a device that connects two or more networks together. | F |
| 8. | In Brute-Force attack a hacker uses dictionary of common words to form suggested passwords. | F |
| 9. | Coaxial Cable is made of four pairs plastic wires twisted together to send data. | F |
| 10. | Switch is an intelligent device, since it can determine the destination of the data packets and forward them appropriately. | T |
| 11. | Each computer connected to the network must have an IP address. | T |
| 12. | The Google drive is an example of servers that use cloud storage. | T |
| 13. | Privacy is one of the disadvantages of using cloud storage. | T |
| 14. | In Star topology network if one device failed, then whole network is failed. | F |
| 15. | BIOS is a software stored in RAM to self-test your computer at startup. | F |

**Question 3 (10 points)**

  a) **Discuss the following: (4 Points)**

   1. **Why you should never make your Wi-Fi network open.**


   **…..**


   2. **Why computers have many types of memory.**

   Because we need to balance between 3 factors:  Cost, Speed,  Capacity


  b) **List (6 Points)**

   **1. Two types of non-impact printers.**

   Inkjet Printers

   Laser Printer


   **2. Two examples of mobile operating systems.**

   Android

   iOS

   ….


   **3. Two examples of desktop operating systems.**

   Linux

   Unix

   ….


**End of the exam**