

Treat the following two parts:

Part A: Computer Assembly:

- 1) List three types of registers and explain the role of one of them? (1 ½ pts)
- 2) What is the role of the power supply? (1 pt)
- 3) List 2 system resources. (1 pt)
- 4) **What do the following abbreviations mean:** (1 ½ pts)
 - a. BIOS.
 - b. CMOS.
 - c. GPU.
 - d. LED.
 - e. ROM.
 - f. PCI.
- 5) What is the difference between Northbridge and Southbridge? (2 pts)

Part B-1: Introduction to Operating Systems

Choose the correct answer:

(5 pts)

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| <p>1- How do we call the programs linking the hardware resources, the user and the applications of a computer?</p> <ol style="list-style-type: none">a- The specifications.b- The operating system.c- The machine language.d- The source code.e- The proprietary software. <p>3- The memory management technique of saving the information in the secondary memory and bringing it to the main memory when it is needed is called:</p> <ol style="list-style-type: none">a- Fragmentation.b- Paging.c- Mapping.d- All answers. <p>5- DOS operates with:</p> <ol style="list-style-type: none">a- One user.b- Several users.c- One or more users.d- Two users. <p>7- SWAPPING:</p> <ol style="list-style-type: none">a- Is the processes movement between real and virtual memory.b- Is the processes movement between the real memory and the processor.c- Is the processes movement between the virtual memory and the processor.d- Is the processes movement between the real memory and the peripherals. <p>9- In monoprogramming:</p> <ol style="list-style-type: none">a- Several tasks are performed at the same time.b- Several programs are in memory.c- Only one program is in memory.d- Many processors works at the same time. | <p>2- Is the part of the operating system responsible for the memory management:</p> <ol style="list-style-type: none">a- Device Manager.b- Memory Manager Unit.c- Memory Address Unit.d- Address Manager Unit. <p>4- We can update Win7 to:</p> <ol style="list-style-type: none">a- Windows 98.b- Windows 10.c- Windows 2000.d- Windows XP or Vista. <p>6- Thee most operating systems are written with:</p> <ol style="list-style-type: none">a- The assembly language.b- The SQL language.c- The C language.d- The Pascal Language. <p>8- Represents the fundamental functions of the operating system:</p> <ol style="list-style-type: none">a- Command interpreter.b- Core.c- Library.d- File system. <p>10- The FAT file allocation table:</p> <ol style="list-style-type: none">a- A table that the operating system uses to locate files on a disk.b- A table used in a database.c- A table used only in the DOS system.d- All answers. |
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Part B-2: Introduction to Windows operating system

Choose the correct answer:

(8 pts)

<p>1) Allows free space on the hard disk by safely removing temporary files and unimportant data: a) Disk cleanup. b) Scandisk. c) Defragment now. d) None of the answers.</p>	<p>2) In "Windows Update", the updates: a) Can be downloaded automatically. b) May not be downloaded. c) The user may be notified of the update, but may install the update later. d) All previous answers.</p>
<p>3) If there is a sequence of commands that must be regularly performed, these commands are placed in a file called: a) Batch File. b) Patch File. c) Any File. d) No need to put them in a File.</p>	<p>4) "Arrange icons" means: a) Rename Icons. b) Sort icons. c) Move the icons. d) Resize the icons.</p>
<p>5) When installing a printer, which option is selected by default : a) Do not share this printer. b) Share this printer. c) Make it network printer. d) None of the answers.</p>	<p>6) To customize a Desktop, we use: a) Accessibility Options. b) Display. c) Arrange Icons. d) Cascade Windows.</p>
<p>7) allows the installation and the automatic configuration of the peripherals: a) Resources. b) The utility software. c) Plug & Play. d) The application software.</p>	<p>8) The batch files have an extension: a) BAT b) BAK c) DLL d) INI</p>
<p>9) Is the form in which a program is created by a programmer in a high-level programming language: a) Object Code. b) Computer code. c) Source code. d) Open Source.</p>	<p>10) Which of the following is in the Control Panel: a) Arrange icons. b) Folder options. c) Tile windows. d) Taskbar.</p>
<p>11) The physical formatting of the hard disk must be done: a) After logical formatting. b) Before logical formatting. c) At the same time as logical formatting. d) Sometimes before, sometimes after.</p>	<p>12) Is the way in which information is recorded on the medium: a) Access. b) Organization. c) Sort. d) None of the responses.</p>
<p>13) It is possible to limit the disk space used by each user, in: a) FAT. b) NTFS. c) FAT and NTFS. d) It is not possible to limit the disk space used by each user.</p>	<p>14) The screen size is measured in: a) Baud. b) Hertz. c) Inch. d) DPI.</p>
<p>15) BIOS, is : a) An operating system. b) An application software. c) A basic software. d) A database.</p>	<p>16) The option "show icon & notification" can be found in: a) Start Menu. b) Desktop. c) Bar notification. d) Action Center.</p>