

Treat the following two parts:

Part A: computers assembly:

- 1) Give 2 types of ROM memory. (½ pt)
- 2) What is the purpose of the Windows registry? (1 pt)
- 3) Relate the following terms: (4 pts)

a) RAM	1) A specialized circuit with a small amount of high-speed memory to make frequently requested information accessible to the processor.
b) Clock	2) A set of lines carrying signals that allow the microprocessor to communicate with its memories and peripherals.
c) Dead Memory (ROM)	3) An internal memory whose content can be read but not modified.
d) Microprocessor	4) A circuit board set etched on a silicon chip.
e) DMA	5) A quartz crystal vibrating at a determined frequency, producing periodic signals which serve to synchronize the tasks of a microprocessor.
f) Register	6) A program required to manage the hardware and software resources of a computer.
g) Operating System	7) A channel that allows the device to access directly to the memory without going through the processor.
h) Bus	8) A type of readable and rewritable volatile memory.

- 4) **What do the following abbreviations mean?** (1 ½ pts)
 - a) AGP
 - b) SCSI
 - c) CMOS
 - d) BIOS
 - e) ISA
 - f) PCI

Part B-1: Introduction to the operating system:

Choose the right answer:

(6 pts)

<p>1. The operating system is formed of:</p> <ol style="list-style-type: none"> a) Only one module. b) Several modules. c) 3 modules. d) 4 modules. 	<p>2. In paginated systems, a page fault means that:</p> <ol style="list-style-type: none"> a) The page is not loaded in a case. b) The page is loaded in a case. c) The page is empty. d) The page is busy.
<p>3. Is not a type of file organization:</p> <ol style="list-style-type: none"> a) Sequential-indexed. b) Real. c) Sequential. d) Direct. 	<p>4. System restore requires:</p> <ol style="list-style-type: none"> a) A check point. b) A new Windows installation. c) A new installation of the file system. d) All the answers.
<p>5. The defragmentation:</p> <ol style="list-style-type: none"> a) Has a purpose to increase the speed of reading a hard drive. b) Has a purpose to decrease the speed of reading a hard disk. c) Increases fragmentation. d) All the answers. 	<p>6. What to do to separate a physical hard disk into two logical drives?</p> <ol style="list-style-type: none"> a) Partition it. b) Share it. c) Format it. d) Double it. e) Split it.
<p>7. What does the compressing of a file allow?</p> <ol style="list-style-type: none"> a) To transmit this file more slowly. b) To save space on a hard disk. c) To remove the viruses contained in this file. d) To make this file compatible with all systems. 	<p>8. Allows you to control a standard user's access to certain programs:</p> <ol style="list-style-type: none"> a) Action center. b) Default programs. c) Parental control. d) Indexing options.

<p>9. Is a utility that allows to examine the entire hard drive to find and fix problems:</p> <p>a) Disk cleanup. b) Defragment now. c) Anti-virus. d) Check disk.</p>	<p>10. The operating system manages:</p> <p>a) The memory. b) The inputs / outputs. c) The processor. d) All the answers.</p>
<p>11. Is the part of the operating system that is responsible for the memory management:</p> <p>a) System calls. b) Libraries. c) Address memory. d) Memory Manager Unit.</p>	<p>12. Are components of the operating system:</p> <p>a) Command interpreter. b) The core. c) MS Word. d) DOS. e) a and b. f) b and c.</p>

Part B-2: Introduction to Windows operating system:
Choose the right answer:

(7 pts)

<p>1) When we have several open windows, we go from one window to another by clicking on:</p> <p>a) Alt + Tab. b) Alt + Space. c) Ctrl + Space. d) Ctrl + Tab.</p>	<p>2) Microsoft Excel is:</p> <p>a) Application software. b) Operating system. c) Anti-virus program. d) Database.</p>
<p>3) Which program allows the user to delete files:</p> <p>a) Internet Explorer. b) Windows Manager. c) Windows Explorer. d) Windows mobility center.</p>	<p>4) The option "Open command window here":</p> <p>a) We find this option when doing Right click on a folder or file. b) We find this option when doing shift + Right click on a folder or a file. c) We find this option when doing shift + Right click on a folder. d) We find this option when Right click on a folder.</p>
<p>5) When doing Richt click on local disk → Properties, we find the option Quota. What does this option serve?</p> <p>a) Limit the hard disk space. b) Limit the disk space used by Windows user. c) Know the free space in the hard disk. d) None of the answers.</p>	<p>6) The option "copy as path" permits to:</p> <p>a) Copy the full path of a selected file or folder to the Clipboard. b) Copy only the full path of a selected file to the Clipboard. c) Copy only the full path of a selected folder to the Clipboard. d) None of the answers.</p>
<p>7) Which utility would be the most appropriate to stop a program that does not respond?</p> <p>a) Device Manager. b) System information. c) Task Manager. d) Windows Experience Index.</p>	<p>8) Which keyboard shortcut corresponds to the Windows function "cut"?</p> <p>a) Ctrl + C b) Ctrl + X c) Ctrl + Alt + C d) F5</p>
<p>9) What is the difference between "save" and "save as"?</p> <p>a) "save as" allows you to choose the save location. b) "save as" reduces the size of the file to be saved. c) "save as" allows you to register faster. d) None of the answers.</p>	<p>10) What is the purpose of the Device Manager?</p> <p>a) Manage the partition table. b) Manage the startup mode (normal, safe mode ...). c) Manage the software and system configuration of the computer. d) Manage the material.</p>
<p>11) Taskbar is used :</p> <p>a) As a navigation program. b) For switching between programs. c) To launch a program. d) All of the above.</p>	<p>12) What is the menu bar that allows access to OPENFILE?</p> <p>a) Option. b) Help. c) View. d) None of the answers.</p>
<p>13) Which is not a system tool?</p> <p>a) Backup. b) Disk defragment. c) Virus scanning. d) All of the above.</p>	<p>14) Which of the following items are loaded in safe mode?</p> <p>a) Keyboard driver. b) Mouse driver. c) VGA driver. d) All of the above.</p>