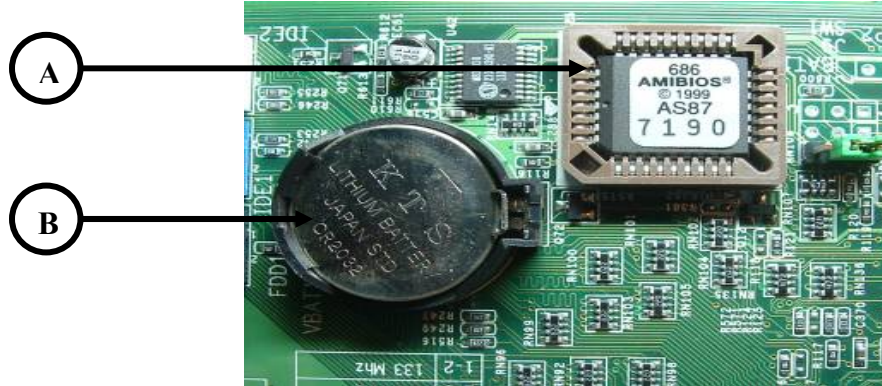


Treat the two following parts:

Part A : Computers Assembly

- 1) How the hardware conflict resource occurs? (1 pt)
- 2) What is the role of the event viewer in a computer troubleshooting process? (1 pt)
- 3) Specify the name and the role of these two main components of the motherboard (A and B) ? (2 pts)



- 4) What dangers present the Electrostatic Discharge (ESD)? (1 pt)
- 5) a) What is the measurement unit of the capacity of a hard disk (CPU) ? (½ pt)
b) What is the measurement unit of the resolution of the screen? (½ pt)

Part B- 1: Introduction to operating systems

Choose the right (s) answer (s) : (6 pts)

1. **The operating system is part of :**
 - a) Hardware.
 - b) Basic software.
 - c) Application software.
 - d) Peripherals.
2. **When a computer is "swapping" it is :**
 - a) Moving data from the hard drive to the floppy drive.
 - b) Moving data from memory to the swap file on the hard drive.
 - c) Moving data between registers in memory.
 - d) Moving data between RAM and ROM.
3. **How to characterize a multitasking operating system?**
 - a) It is a system that the desktop contains several icons.
 - b) This is a system that manages multiple users.
 - c) This is a system that manages multiple devices.
 - d) It is a system that allows the networking.
 - e) This is a system that allows you to run several applications simultaneously.
4. **What is a driver?**
 - a) A program that is used to path the data to the RAM.
 - b) A software to guide you through the installation of software.
 - c) A small program that adds functionality to software.
 - d) A program that enables a computer to communicate with a device.
5. **Pagination divides the space program in the virtual memory into :**
 - a) Several parts in the same page.
 - b) Several sub-programs of the same size.
 - c) Several pages of different sizes.
 - d) Several pages of the same size.
6. **Virtual memory is a part of the space of:**
 - a) The main memory.
 - b) The hard drive.
 - c) The cache memory.
 - d) The RAM memory.
7. **Is not a function of the operating system:**
 - a) Memory Management.
 - b) Database management.
 - c) Process Management.
 - d) File Management.
8. **Segmentation means:**
 - a) The main memory is divided into several segments.
 - b) The main memory is divided into several pages.
 - c) The program is divided into several segments.
 - d) The main memory and the program are divided into segments.

9. FIFO is the strategy of:

- a) Placing pages.
- b) Replacement of pages.
- c) Distribution of pages.
- d) Division of pages.

10. In multitasking :

- a) Several tasks run sequentially.
- b) Several tasks run simultaneously.
- c) A task runs by multiple users.
- d) A task runs by a user.

11. The GUI is :

- a) Graphical user Interface.
- b) Graphical user independant.
- c) Graphical unit interface.
- d) Graphical useful interface.

12. An operating system is called "Open Source", when you can modify:

- a) The source code of the program.
- b) The object code of the program.
- c) The source code and the object code of the program.
- d) The source code or the object code of the program.

Part B-2 : Introduction to Windows operating system

Choose the right (s) answer (s) : (8 pts)

1. What can you say about a shortcut?

- a) It has the same memory size that the element to which it refers.
- b) It can be removed without risk of destroying the element to which it refers.
- c) It can duplicate a file.
- d) It can be created only for programs.
- e) It provides quick access to a file or folder

2. What is defragmenting a hard drive?

- a) Reduce the number of folders.
- b) Reduce the disk space used.
- c) Decompose the physical disk into multiple logical drives.
- d) Remove temporary files.
- e) Accelerate disk access.

3. What should be done to cut a physical hard drive into two logical drives?

- a) Partition it.
- b) Share it.
- c) Format it.
- d) Duplicate it.

4. Search for a file on the computer has multiple search criteria. Which?

- a) The contents of the file.
- b) The file name.
- c) The file size.
- d) The software used to create the file.
- e) The date of last modification of the file.

5. Which queries are used to find the examen.doc file?

- a) ? x * . doc
- b) exam ? doc
- c) ex * . *
- d) examen.d ?
- e) * . ?

6. What happens when we drag a folder containing files to a USB ?

- a) The folder and the files it contains are moved.
- b) The folder and the files it contains are duplicated.
- c) The folder is moved only.
- d) The files are moved only.

7. What is sharing a folder containing a file?

- a) The right to other users to access a file.
- b) Duplicate File.
- c) Separation of the file in several parts.
- d) The simple file defragmentation.

8. Under Windows XP, the configuration is saved?

- a) The autoexec.bat file.
- b) The win.ini file.
- c) The registry.
- d) The basic components of windows.

9. FAT is :

- a) File Accommodation Table.
- b) File Access Tape.
- c) File Allocation Table.
- d) File Activity Table.

10. Windows VISTA :

- a) A single user system.
- b) A multi-user system.
- c) A single tasking system.
- d) None of the above.

11. Log off is used :

- a) To stop the computer.
- b) To exit an application.
- c) To change the computer user.
- d) To restart the computer.

12. Defragmentation is used for:

- a) Save the drivers, system files.
- b) Collects non-contiguous data in one place, making the files execution faster.
- c) Create an image of the current computer settings.
- d) Separate contiguous data in many places, making the files execution faster .

13. Accessing methods are:

- a) Sequential.
- b) Common.
- c) Direct.
- d) Optional.

14. Disk cleanup can:

- a) Delete the unnecessary files that can safely be removed.
- b) Find the errors and recover bad sectors.
- c) Put the blocks of each file so near and contiguous.
- d) All of the above are true.

15. Is a software compression. :

- a) Winzip.
- b) Winrar.
- c) Winmap.
- d) Winword.

16. Which application is used to program a certain task to run at a certain moment:

- a) Scheduled Tasks.
- b) Outlook Express.
- c) Program files.
- d) Notepad.

17. Is a Windows accessory :

- a) My Computer.
- b) Calculator.
- c) Run.
- d) Notepad.

18. Which of the following are contained in the Control Panel:

- a) Arrange icons.
- b) Folder options.
- c) Tile windows.
- d) Add / remove program.