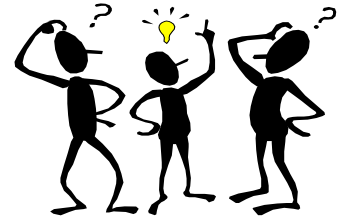Teach-ICT.com

Modern P.C. Operating Systems

Use the theory notes on the teach-ict.com website to help you answer the questions below. Try to write the answers in your own words.

Questions

1. Define the term, 'booting'

2. What does the acronym 'BIOS' stand for?

3. Explain the role of BIOS

4. Identify three POST system checks that are run as part of the BIOS

5. What will happen if an error is found during the POST tests?

6. What is the 'boot sector'?

7. What is the role of the 'Master Boot Record'?

8. What is the role of the 'Boot Loader'?

9. Explain what happens during 'safe mode'

10. What is the role of an 'INI' file?

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11. Draw a diagram to show how storage on a hard disk is divided into segments and clusters.

12. Draw a diagram to show how files are stored in clusters on a hard disk.

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13. Explain the purpose of the File Allocation Table (FAT)

14. Explain the purpose of the Directory Table

15. Explain how Windows Explorer will make use of both the Directory Table and the FAT in order to locate a file

16. Explain what happens during the process of saving a file.

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17. Explain what happens during the process of deleting a file

18. During the process of saving and deleting files, the hard disk becomes 'fragmented'. Explain why fragmentation is a problem and identify what can be done to correct the issue.

19. What is the one extra fact that you found out about either a boot file, INI file, File Allocation Table or Fragmentation?

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