

CLASSROOM PRACTICE SHEET – INGLES TÉCNICO II

Informática Industrial – 2º Sem.

COMPLETE NAME: JUAN JOSE LIZARAZU QUIROGA

DATE: 01/10/2024

II: TRUE OR FALSE (20 points)

1. A mainframe computer is not the same as personal computer
2. One of the major tasks of the operating system is to hide the hardware and present programs
3. ENIAC was built by William Mauchley at the University of California.
4. The operating system's real customers are the application programs
5. There is no difference between first and second generation
6. At the beginning there was not a clear separation between designers, builders, operators, programmers, and maintenance personnel.
7. By the early 1960s, most computer manufacturers , there were the word-oriented, large-scale scientific computers,
8. The first true digital computer was designed by the English mathematician Charles Babbage
9. All operating systems provide yet another layer of abstraction for using disks
10. In third generation operating systems read jobs from cards onto the disk as soon as they were brought to the computer room.

T	F
T	F
T	F
T	F
T	F
T	F
T	F
T	F
T	F
T	F

II: Complete the following sentences (16 points)

1. Most computers have two modes of operation: Kernel mode (also called supervisor mode). The rest of the software runs in user mode, in which only a subset of the machine instructions is available.
2. The IBM 360 was the first major computer line to use small-scale ICs
3. A transistor is: a semiconductor device used to amplify or switch electronic signals, while a Integrated circuits is a set of electronic circuits on a small chip of semiconductor material.
4. Nowadays, the IBM 360, are often used for managing: huge databases (e.g. for airline reservation systems) or a servers for World Wide Web sites that must process thousands of requests per second.

III: Answer the following questions according to the reading (25 points)

1. **why operating systems live a long time?** Because operating system are huge, complex and log-lived. The source code of the heart of an operating system like Linux or Windows is on the order of five million lines of code or more. It should be clear now why operating systems live a long time -they are very hard to write
2. **Who pays millions of dollars to buy computers in the 2nd generation?** Large corporations, governments, and military institutions were the primary entities investing million of dollars in second-generation.
3. **Explain in chronological order the evolution of computers:** First Generation (1940-1956) computers based on vacuum tubes. Secon Generation (1956-1963) Use transistors, making computers smaller and more efficient. Third generation(1964 - 1971) Introduction of integrated circuits.

Good Luck!!!

4. **What is GUI?** GUI (Graphical User Interface) is a graphical user interface that allows users to interact with a computer system using visual icons and graphical elements instead of text commands.
5. **How does an operating system work/function?** An Operating system manages the hardware and software of a computer, acting as an intermediary between programs and the hardware.