Computer Fundamentals

Practical E-Library Study Guide

CATEGORY	RESOURCE
Computer	PDF • 48 pages

01 • Understanding Computers

A computer is an electronic device that accepts data as input, processes it according to instructions, stores information, and produces output. The basic computer cycle is Input → Processing → Output, supported by storage.

02 • Hardware Essentials

Hardware means the physical parts of a computer. Important components include the CPU, motherboard, RAM, storage devices, monitor, keyboard, mouse and printer. Each component performs a specific role in the overall system.

03 • Software Essentials

Software is a collection of instructions that makes a computer useful. Operating systems manage hardware and system resources, while applications help users perform tasks such as writing documents, browsing websites and creating presentations.

04 • Storage & Memory

RAM is temporary working memory used while programs are running. Storage devices such as SSDs and hard drives retain information even after the computer is switched off.

05 • Internet Basics

A web browser allows users to access websites and online services. Safe digital habits include using strong passwords, enabling multi-factor authentication, checking website addresses and avoiding suspicious downloads.

06 • Quick Revision

Hardware is physical. Software is instructional. CPU processes instructions. RAM provides temporary working memory. Storage keeps data for later use. Input provides data and output presents results.

Practice Tip

Read each section, try the concept in a small practical exercise, and then revise the key points. This resource is designed as an easy-to-follow starting guide.

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