

# CCC & O Level Full Forms

## Complete Abbreviations Reference Guide

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**Note:** This PDF contains all essential computer abbreviations and full forms for CCC and O Level exams. Use this reference to master abbreviations for hardware, software, networking, and internet technologies.

### Summary by Category

General: 72 full forms

Hardware: 4 full forms

## GENERAL FULL FORMS - 72 ENTRIES

ABBREVIATION	FULL FORM	COURSE	DESCRIPTION
<b>AGP</b>	Accelerated Graphics Port	<b>Both</b>	Older slot type specifically for graphics cards (r...
<b>API</b>	Application Programming Interface	<b>Both</b>	Rules that allow two software programs to talk to...
<b>ASCII</b>	American Standard Code for Information Interchange	<b>Both</b>	Character encoding standard for electronic communi...
<b>ASIC</b>	Application-Specific Integrated Circuit	<b>Both</b>	A chip customized for a very specific task (like c...

ABBREVIATION	FULL FORM	COURSE	DESCRIPTION
<b>BIOS</b>	Basic Input/Output System	<b>Both</b>	Software on a chip that initializes hardware durin...
<b>BTU</b>	British Thermal Unit	<b>Both</b>	Unit used to measure the heat output of hardware c...
<b>CACHE</b>	Level 1 Cache	<b>Both</b>	The fastest, smallest memory located inside the CP...
<b>CD</b>	Compact Disc	<b>Both</b>	Smaller optical disc used for audio and small amou...
<b>CLI</b>	Command Line Interface	<b>Both</b>	Interacting with computers via text commands.
<b>CMOS</b>	Complementary Metal-Oxide-Semiconductor	<b>Both</b>	Small battery-backed chip that stores BIOS setting...
<b>CRT</b>	Cathode Ray Tube	<b>Both</b>	Older, bulky style of computer monitors and televi...
<b>CSV</b>	Comma Separated Values	<b>Both</b>	A simple text format for storing tabular data.
<b>DBMS</b>	Database Management System	<b>Both</b>	Software used to create and manage databases.
<b>DDR</b>	Double Data Rate	<b>Both</b>	Modern RAM technology that transfers data twice pe...
<b>DIMM</b>	Dual In-line Memory Module	<b>Both</b>	The physical circuit board that holds RAM chips.

ABBREVIATION	FULL FORM	COURSE	DESCRIPTION
<b>DP</b>	DisplayPort	<b>Both</b>	Digital display interface used primarily for high-...
<b>DVD</b>	Digital Versatile Disc	<b>Both</b>	Optical disc storage used for movies and data.
<b>DVI</b>	Digital Visual Interface	<b>Both</b>	Video interface used to connect a display to a com...
<b>EEPROM</b>	Electrically Erasable Programmable Read-Only Memory	<b>Both</b>	ROM that can be erased and rewritten using electri...
<b>EPROM</b>	Erasable Programmable Read-Only Memory	<b>Both</b>	ROM that can be erased using ultraviolet light and...
<b>ESD</b>	Electrostatic Discharge	<b>Both</b>	Sudden flow of electricity that can damage sensiti...
<b>FPU</b>	Floating Point Unit	<b>Both</b>	Part of the CPU designed specifically for math wit...
<b>FTP</b>	File Transfer Protocol	<b>Both</b>	Used for transferring files between computers.
<b>GUI</b>	Graphical User Interface	<b>Both</b>	A visual way for users to interact with computers.
<b>HDD</b>	Hard Disk Drive	<b>Both</b>	Magnetic storage device used for long-term data st...
<b>HDMI</b>	High-Definition Multimedia Interface	<b>Both</b>	Port for transmitting high-quality digital video a...

ABBREVIATION	FULL FORM	COURSE	DESCRIPTION
<b>HID</b>	Human Interface Device	<b>Both</b>	Standard for devices like keyboards, mice, and gam...
<b>HLOOKUP</b>	Horizontal Lookup	<b>Both</b>	Searches for a value in the first row of a table.
<b>HTML</b>	Hypertext Markup Language	<b>Both</b>	The standard language for creating web pages.
<b>HTTP</b>	Hypertext Transfer Protocol	<b>Both</b>	The protocol used for transferring web pages.
<b>HTTPS</b>	Hypertext Transfer Protocol Secure	<b>Both</b>	Encrypted and secure version of HTTP.
<b>IDE</b>	Integrated Development Environment	<b>Both</b>	A tool for writing and testing computer software.
<b>IP</b>	Internet Protocol	<b>Both</b>	A unique address identifying a device on a network...
<b>ISA</b>	Industry Standard Architecture	<b>Both</b>	An obsolete bus standard for PC expansion cards.
<b>JSON</b>	JavaScript Object Notation	<b>Both</b>	Lightweight data format used in web applications.
<b>KVM</b>	Keyboard, Video, and Mouse	<b>Both</b>	A switch used to control multiple PCs with one set...
<b>LAN</b>	Local Area Network	<b>Both</b>	Hardware/cabling for connecting computers in one b...

ABBREVIATION	FULL FORM	COURSE	DESCRIPTION
<b>LCD</b>	Liquid Crystal Display	<b>Both</b>	Standard technology used for flat-panel computer m...
<b>LED</b>	Light Emitting Diode	<b>Both</b>	Used for backlighting monitors and indicator light...
<b>MODEM</b>	Modulator-Demodulator	<b>Both</b>	Converts digital signals to analog (and vice versa...
<b>NIC</b>	Network Interface Card	<b>Both</b>	Hardware component that allows a computer to conne...
<b>NVME</b>	Non-Volatile Memory Express	<b>Both</b>	High-speed interface protocol for modern SSDs.
<b>ODF</b>	Open Document Format	<b>Both</b>	The open-source file format used by LibreOffice.
<b>ODS</b>	Open Document Spreadsheet	<b>Both</b>	The specific file extension for LibreOffice Calc f...
<b>OLAP</b>	Online Analytical Processing	<b>Both</b>	Technology for fast analysis of multidimensional d...
<b>OLED</b>	Organic Light Emitting Diode	<b>Both</b>	Advanced display technology where each pixel emits...
<b>OS</b>	Operating System	<b>Both</b>	Software that manages computer hardware and apps.
<b>PCI-E</b>	Peripheral Component Interconnect Express	<b>Both</b>	High-speed expansion bus for graphics and network...

ABBREVIATION	FULL FORM	COURSE	DESCRIPTION
<b>PDF</b>	Portable Document Format	<b>Both</b>	A format designed to present documents consistently...
<b>PNP</b>	Plug and Play	<b>Both</b>	Ability for hardware to be recognized and set up a...
<b>POST</b>	Power-On Self-Test	<b>Both</b>	Initial diagnostic test run by the BIOS when the P...
<b>PROM</b>	Programmable Read-Only Memory	<b>Both</b>	Memory chip that can be programmed once by a user.
<b>RAM</b>	Random Access Memory	<b>Both</b>	Volatile memory used to store data currently in us...
<b>ROM</b>	Read-Only Memory	<b>Both</b>	Non-volatile memory containing permanent start-up...
<b>SATA</b>	Serial Advanced Technology Attachment	<b>Both</b>	Standard interface for connecting HDDs and SSDs to...
<b>SCSI</b>	Small Computer System Interface	<b>Both</b>	Set of standards for connecting and transferring d...
<b>SD CARD</b>	Secure Digital Card	<b>Both</b>	Small flash memory card used in laptops and camera...
<b>SDRAM</b>	Synchronous Dynamic Random Access Memory	<b>Both</b>	Type of RAM that stays synchronized with the CPU C...

ABBREVIATION	FULL FORM	COURSE	DESCRIPTION
<b>SMPS</b>	Switched-Mode Power Supply	<b>Both</b>	Device that converts AC power from the wall to DC...
<b>SQL</b>	Structured Query Language	<b>Both</b>	Language used to manage data in databases.
<b>SSD</b>	Solid State Drive	<b>Both</b>	Faster, modern storage using flash memory with no...
<b>UEFI</b>	Unified Extensible Firmware Interface	<b>Both</b>	Modern, more secure replacement for the traditiona...
<b>UPS</b>	Uninterruptible Power Supply	<b>Both</b>	Provides emergency battery backup when main power...
<b>URL</b>	Uniform Resource Locator	<b>Both</b>	The specific address of a resource on the web.
<b>USB</b>	Universal Serial Bus	<b>Both</b>	Common interface for connecting peripherals like m...
<b>VGA</b>	Video Graphics Array	<b>Both</b>	Older analog standard for connecting monitors.
<b>VLOOKUP</b>	Vertical Lookup	<b>Both</b>	Searches for a value in the first column of a tabl...
<b>VPN</b>	Virtual Private Network	<b>Both</b>	Creates a secure connection over a public network.
<b>VRAM</b>	Video Random Access Memory	<b>Both</b>	Memory dedicated specifically to the graphics card...

ABBREVIATION	FULL FORM	COURSE	DESCRIPTION
<b>WAN</b>	Wide Area Network	<b>Both</b>	<i>A network spanning a large area, like the internet...</i>
<b>WLAN</b>	Wireless Local Area Network	<b>Both</b>	<i>A wireless version of a local network (Wi-Fi).</i>
<b>XML</b>	Extensible Markup Language	<b>Both</b>	<i>A language used to store and transport data.</i>

## HARDWARE - 4 ENTRIES

ABBREVIATION	FULL FORM	COURSE	DESCRIPTION
<b>ALU</b>	Arithmetic Logic Unit	<b>Both</b>	<i>The part of the CPU that performs math and logic.</i>
<b>CU</b>	Control Unit	<b>Both</b>	<i>Directs the operation of the processor.</i>
<b>GPU</b>	Graphics Processing Unit	<b>Both</b>	<i>Processor dedicated to rendering images and video.</i>
<b>CPU</b>	Central Processing Unit	<b>Both</b>	<i>The primary brain of the computer that executes in...</i>