| Unit | Subsection | Definition | Word |
|------|------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 1 | Basics | the four main parts of a computer system | Input, process, storage, |
| | | | output |
| 1 | Basics | the main printed circuit board that holds the different computer components | Motherboard |
| 1 | Basics | the part of a computer system that transforms the input into useful output | Process |
| 1 | Basics | the part of a computer system that collects and provides the computer system with data or | Input |
| | | instructions usually via a device such as a keyboard, mouse, sensors etc | |
| 1 | Basics | an online service that allows easier communication between people, such as Facebook | Social network |
| 1 | Basics | a device that can detect a physical property such as heat, sound, light etc | Sensor |
| 1 | Basics | the part of a computer system where information or data obtained via processing is presented | Output |
| | | to the user on the monitor or turned into useful action eg triggering an alarm, turning a motor | |
| 1 | Basics | A computer system that forms part of an electronic device | Embedded System |
| 1 | Basics | Mechanical device that is controlled by computers, e.g. robotic arm | Actuator |
| 1 | Computer Systems | The part of the computer system that allows either data or instructions to be retained for later | Storage |
| | . , | use | 0 |
| 1 | Reliability | the average time that passes between faults occuring in a computer system | Mean Time Between |
| | | | Failure (MTBF) |
| 1 | Reliability | the percentage of time that a computer system is functioning correctly ('up-time') over any given | Availability |
| | | year. | |
| | Reliability | The standard desirable availability for a computer system | Five 9s |
| 1 | Reliability | a documented process or set of procedures to recover and protect a business II infrastructure in the quest of a director. | Disaster Recovery Plan |
| 1 | Reliability | the event of a disaster | (DRP) Hardware redundancy |
| 1 | Reliability | other component or sub-system takes over | That a ware reduited ancy |
| 1 | Reliability | a procedure by which a system automatically transfers control to a duplicate system when it | Failover |
| | | detects a fault or failure | |
| 1 | Standards | agreed ways of doing something, written down as a set of precise criteria so they can be used as | Standards |
| | | rules, guidelines or definitions | |
| 1 | Standards | generally accepted ways of doing something which are not formally defined or agreed | De facto standards (de |
| | | | facto means 'in fact') |
| 1 | Standards | a sequential design process used in software development including requirement analysis, | Waterfall model |
| 1 | Standarda | design, implementation, test and maintenance | DAD model (Danid |
| T | Stanuarus | which is then repeatedly demonstrated to the customer, refined and rebuilt until it meets the | Application |
| | | customer requirements | Development) |
| 1 | Standards | the current UK copyright law that protects copyright holders against the theft of their intellectual | Copyright, Designs and |
| | | property | Patents Act 1988 |
| 1 | Standards | unauthorised copying of computer software or media | Piracy |
| 1 | Standards | the exclusive right to make copies, license, and otherwise exploit a literary, musical, or creative | Copyright |
| | | work, whether printed, audio or video | |
| | Standards | the practice of taking someone else's work or ideas and passing them off as one's own. | Plagiarism |
| T | Standards | something unique that you physically create and may wish to protect using copyright law | Intellectual property |
| 1 | Standards | the primary piece of legislation covering occupational health and safety in Great Britain | Health and Safety at |
| - | Standards | | Work etc Act 1974 |
| 1 | Standards | the UK law defining the ways in which information about living people may be legally used and | The Data Protection Act |
| | | handled | 1998 |
| 1 | Standards | the UK legal Act preventing the use of computers for crime or malicious purposes | Computer Misuse Act |
| | | | 1990 |
| | Standards | the moral code of practice to be fair and considerate of other people | Ethics |
| 1 | Standards | the amount of carbon dioxide released into the atmosphere as a result of the activities of a | Carbon Footprint |
| | | particular individual, organization, or community | Central Processing Unit |
| 2 | THE CPU | meaning then excerutes the commands they represent | Central Processing Onit |
| 2 | The CPU | Part of the CPU that performs all of the arithmetic and logical functions | Arithmetic Logic Unit |
| 2 | The CPU | a data storage area within the CPU | Register |
| 2 | The CPU | a register in the CPU for short term immediate storage of data used by the ALU | Accumulator |
| 2 | The CPU | the part of the fetch decode excecute cycle where an instruction is retrieved from main memory | Fetch |
| | | (RAM) into the CPU | |
| 2 | The CPU | the part of the fetch decode excecute cycle where the opcode part of the instruction is | Decode |
| | | interpreted for meaning to understand what action is to be carried out | F |
| 2 | Ine CPU | the part of the fetch decode excecute cycle when the CPU carries out the action that is needed | Execute |
| | | the part of the CPI I that controls the frequency or rate at which the fetch decade events and | Clock |
| 2 | | ring part of the CFO that controls the frequency of rate at which the fetch decode excute cycle | CIULN |
| 2 | The CPU | the factor that determines how many operations a CPU can carry out per second | Clock speed |
| 2 | The CPU | the small amount of fast memory located inside or near the CPU which stores copies of the data | Cache |
| | | from frequently used main memory locations | |
| 2 | The CPU | the type of cache memory located inside the CPU, which the fastest and most expensive type of | L1 cache |
| | | memory | |
| 2 | The CPU | the cache memory located near to the CPU | L2 cache |

| | 6 h | D. P. Martin | |
|------|-------------------|-------------------------------------------------------------------------------------------------------|--------------------------|
| Unit | Subsection | | word |
| 2 | The CPU | a type of CPU that includes two or more processors built into the same chip so that more than | Multicore |
| | The ODU | one application or process can be executed at the same time (in parallel)? | D. al. a. a. |
| 2 | The CPU | a type of CPU that includes two processors built into the same chip so that two applications or | Dual core |
| | The ODU | processs can be executed at the same time (in parallel)? | 0 |
| 2 | The CPU | a type of CPU that includes four processors built into the same chip so that four applications or | Quad core |
| | | processs can be executed at the same time (in parallel)? | |
| 2 | The CPU | a traditional CPU chip that includes just one processor so that all open applications only have a | Single core |
| | | share of the total processing time | |
| 2 | Binary Logic | the tiny electronic components in a computer system that can be switched ON or OFF by using | Transistors |
| | | electronic voltage signals | |
| 2 | Binary Logic | The building block of a computer sytem, made from transistors, usually including two inputs that | Logic Gate |
| | | control its binary condition between ON (1) or OFF (0) | |
| 2 | Binary Logic | a single input logic gate which produces an output signal only when there is not a signal on its | NOT gate |
| | | input | |
| 2 | Binary Logic | a logic gate which produces an output signal only when signals are received simultaneously | AND gate |
| | | through all (usually two) input connections | |
| 2 | Binary Logic | a logic gate which produces an output signal when signals are received on any one or more of its | OR gate |
| | | input connections | - |
| 2 | Memory | the place in a computer where the operating system, application programs, and data in current | Random Access Memory |
| | , | use are kept so that they can be quickly reached by the computer's processor, also known as | (RAM) |
| | | main memory | () |
| 2 | Memory | Location in main memory used to store data or instructions | Address |
| 2 | Memory | the term used to describe memory that requires power to maintain the data stored within it | Volatile |
| - | memory | | - orderice |
| 2 | Memory | the non-volatile write only memory chin in a computer that contains the hootstrap instructions | Read Only Memory |
| 2 | wiemory | to load the energing system into PAM | |
| | Momony | a type of fake main memory that extends the PAM enter the bard dick drive to allow more | Virtual momory |
| 2 | wiemory | a type of fake main memory that extends the NAW onto the hard disk drive to allow more | virtual memory |
| | Mamani | applications and data to be open | Flach momory |
| 2 | wemory | a type of non-volatile memory that can be electronically erased and re-written, used on OSB | Flash memory |
| | N.A | memory sticks, memory cards and SSDs. | <u></u> |
| 2 | Nemory | any non-volatile storage device that is internal or external to the computer | Secondary storage |
| 2 | Secondary Storage | a storage technology where data is recorded by making marks in a pattern that can be read back | Optical storage |
| | | with the aid of light, usually laser | |
| 2 | Secondary Storage | a storage technology where data is recorded on a magnetic surface by using a pattern of | Magnetic storage |
| | | magnetised dots that are created and read back using magnetic fields | |
| 2 | Secondary Storage | a storage technology that stores and retrieves data using only electronic circuits, without any | Solid state storage |
| | | involvement of moving mechanical parts | |
| 2 | Secondary Storage | the first program that is loaded into the computer using a bootstrap program, that is that used | Operating System |
| | | to run other programs | |
| 2 | Secondary Storage | a computer device, such as a keyboard or printer, that is not part of the main computer | Peripheral |
| 2 | Secondary Storage | a flexible removable magnetic disk (typically encased in a hard plastic shell) for storing small | Floppy disc |
| | | amounts of data | |
| 2 | Secondary Storage | a magnetic media storage device that can store large amounts of data using a rapidly spinning | Hard Disk Drive (HDD) |
| | | disk coated with a magnetic material, which is accessed via a read/write head on the end of an | |
| | | arm that swings back and forth across the disk, often used for data storage and backup | |
| | | | |
| 2 | Secondary Storage | a type of HDD that connects to a PC using a USB cable, typically used for backup of standalone | Portable Hard Disk Drive |
| | | PCs | |
| 2 | Secondary Storage | a cheap magnetic media that can store large amounts of data using a flexible plastic strip with | Magnetic tape |
| | | one side coated with a ferromagnetic material, usually wound between two spools contained in | |
| | | a plastic cartridge, and accessed via the read/write head in a tape drive, often used for data | |
| | | archive | |
| 2 | Secondary Storage | an optical media that can store up to 640MB of data on a plastic disc coated with a metal foil | Compact Disc (CD) |
| | | layer than can be written to and read from using a laser, often used for backup and archiving | |
| | | small amounts of data (using writable versions), as well as distributing software (using read only | |
| | | versions) | |
| 2 | Secondary Storage | an optical media that can store up to 4 to 17GB of data on a plastic disc coated with a metal foil | DVD |
| | | layer than can be written to and read from using a laser, often used for backup and archiving | |
| | | data | |
| 2 | Secondary Storage | a solid state media device containing non-volatile flash memory, used in place of a hard disk | Solid State Drive (SSD) |
| | , , | because of its much greater speed and durability, due to its lack of moving parts, typically used | |
| | | in smart phones and tablets | |
| 2 | Secondary Storage | a solid state storage device typically of keyfoh shape and size used for storing small amounts of | Memory stick |
| ~ | Secondary Storage | data typically for moving files between computers for personal use | |
| 2 | Secondary Storago | a solid state storage device in a flat card shape it vnically for use in portable devices like phones | Memory card |
| 2 | Secondary Storage | a sona state storage device in a natical a snape, typically for use in portable devices like phones | themory caru |
| 2 | Software | a nrogram or niece of code which is canable of conving itself and tunically bas a dotrimontal | Virus |
| د | Joitwale | a program or proce or code which is capable or copying user and typically has a detriffelial | v ii U3 |
| 2 | Softwaro | energy such as contrupting the system of designed to carry out a specialized task such as | Litility |
| 3 | Juliwale | a sman program within the operating system designed to tarry out a specialised task SUCD as | ounty |
| | Software | security, uisk oliganisation of manifelialite | Antiviruc |
| 3 | JUILWAIE | a security utility designed to detect and destroy computer viruses | Antivirus |

| Unit | Subsection | Definition | Word |
|------|------------|-----------------------------------------------------------------------------------------------------|-----------------------|
| 3 | Software | malicious software that enables a user to obtain covert information about another's computer | Spyware |
| | | activities by transmitting data covertly from their hard drive | |
| 3 | Software | a security utility designed to detect and destroy spyware | Antispyware |
| 3 | Software | a security utility designed to prevent unauthorized access to or from a personal computer or | Firewall |
| | | private network | |
| 3 | Software | the use of computers to access data without authorisation | Hacking |
| 3 | Software | a disk organisation utility that erases all data from a storage media and prepares it to receive | Format |
| | | and store data as if new | |
| 3 | Software | the file transfer process where a file is copied to a new location and then the original is deleted | Move |
| | | | |
| 3 | Software | the file transfer process where a file is replicated to a new location but the original is retained | Сору |
| | Coftware | operating system cofficients which controls peripheral devices by conding them commands in | Derinhard Management |
| 5 | SUILWAIE | their own computer language | Peripheral Management |
| 3 | Software | operating system software which automatically handles the changing memory requirements of | Memory Management |
| 5 | Solution | programs | memory management |
| 3 | Software | to execute more than one program simultaneously | Multitasking |
| 3 | Software | a disk organisation utility that locates data fragments on a storage media and reorganises them | Defragmenter |
| | | so data from the same file are contiguous (next to each other) for improved speed of data | |
| | | retrieval | |
| 3 | Software | the system maintenance utility in Windows that shows you the programs and processes that are | Task manager |
| | | currently running on your computer, and provides statistics on CPU and network usage | |
| | | | |
| 3 | Software | the system maintenance utility in Windows that identifies unnecessary files on your hard disk | Disk cleanup |
| | | and deletes them to free up disk space | |
| 3 | Software | the system maintenance utility in Windows that identifies operating system software than is out | Windows update |
| | 11.21. | of date and automatically downloads new versions | B |
| 4 | Units | a type of software that gives no access to the source code, and has a licence that restricts the | Proprietary |
| - 1 | Unite | a type of software that makes the source code apoply available to others to use and modify | Opon courco |
| 4 | Onits | a type of software that makes the source code openly available to others to use and mouny | Open source |
| 4 | Number | a type of software that is specially developed to the specific requirements of an individual | Custom |
| | | organization or user | |
| 4 | Number | a type of software that is ready-made and available for sale to the general public | Off-the-shelf |
| 4 | Number | a binary digit (0 or 1) | bit |
| 4 | Number | four binary digits, four bits | nibble |
| 4 | Number | eight binary digits, eight bits | byte |
| 4 | Number | the symbol for byte | В |
| 4 | Number | a unit of memory or data equal to 1,024 bytes | kilobyte |
| 4 | Number | the symbol for kilobyte | KB |
| 4 | Number | a unit of memory of data equal to 1,024 kilobytes | megabyte |
| 4 | Number | the symbol for megabyte | IVIB gigabuta |
| 4 | Number | a unit of memory of data equal to 1,024 megabytes | Biganyte |
| 4 | Number | a unit of momony or data equal to 1.024 gigabytes | torabuto |
| 4 | Number | the symbol for terabyte | тв |
| 4 | Number | the base 2 numbering scheme used to represent all data in a computer system | hinary |
| 4 | Number | the base 10 numbering scheme used in our everyday lives, also known as decimal | denary |
| 4 | Number | the number system in base 16 that can be easily converted into binary | Hexadecimal |
| 4 | Number | the error that occurs when a number becomes too large to fit into the number of bits allocated | Overflow |
| | | - | |
| 4 | Character | the common character set that uses a 7-bit binary number to represent each of 128 possible | ASCII |
| | | characters | |
| 4 | Character | the common 8-bit character set used to represent each of 256 possible characters | Extended ASCII |
| 4 | unaracter | the 16-bit character set designed to cover all the world's major living languages (more than | Unicode |
| | Character | 05,000 clididulers) | Character set |
| 4 | Character | a defined list of characters recognized by the computer hardware and software for display and | Character set |
| 4 | Image | short for Picture Element, the smallest unit of colour that makes up a graphic image or screep | pixel |
| • | | | pine. |
| 4 | Image | the extra information stored in a file such as height, width and colour depth, meaning data | metadata |
| | | about data | |
| 4 | Image | in a digitial image, the number of bits used to indicate the color of a single pixel, also known as | colour depth |
| | | bit depth | |
| 4 | Image | the total number of pixels in a digital image expressed in terms of pixels wide x pixels high | resolution |
| | Cound | | Augle 200 |
| 4 | Sound | Inis souria recording method has continuously changing values | Analogue |
| F | Sound | in conversion of a continuous sound wave to a discrete sequence of binary numbers | Sample interval |
| | Sound | in sampling, the amount of time between samples | Sample froquency |
| | Sound | in sampling, the number of samples taken per second | Bit denth |
| | Journa | | Die deptit |

| Unit | Subsection | Definition | Word |
|------|--------------|--------------------------------------------------------------------------------------------------------|------------------------|
| 5 | Instructions | an order for a computer to follow consisting of an opcode and operand | Instruction |
| 5 | Instructions | a binary code at the left hand side of an instruction representing which command or operation is | Opcode |
| | | to be carried out, eg add or subtract | |
| 5 | Instructions | a binary code at the right hand side of an instruction representing which value or address in | Operand |
| | | RAM is to be used in the operation | |
| | Databasas | a participat arranged store of data | Databasa |
| | Databases | a persistent organised store of data | Database |
| 5 | Databases | the type of database in which two or more tables are linked to each other | Relational |
| 5 | Databases | software for creating and managing database | Database Management |
| | | | System |
| 5 | Databases | a single person or thing about which data can be stored in a database table | Entity |
| 5 | Databases | all of the information about one person or thing in a database, often displayed as a single row in | Record |
| | | a table | |
| 5 | Databases | all of the records for one particular entity in a database, displayed in rows and columns | Table |
| | Databases | a definition of one piece of data (an attribute) that will be stored about a percent or thing as large | Field |
| 5 | Databases | a demittion of one piece of data (an attribute) that will be stored about a person of thing eg age | Field |
| | | | |
| 5 | Databases | a special field in a table which is unique and enables you to identify every record in that table | Primary key |
| | | | |
| 5 | Databases | a field in one table that is linked to the primary key in another table to form an entity | Foreign key |
| | | relationship | |
| 5 | Databases | the type of entity relationship where for every one record identified by the primary key, there | One-to-many |
| | | can be many records identified by the foreign key (eg artist to albums) | , |
| 5 | Databases | the type of entity relationship where for every one record identified by the primary key, there | One-to-one |
| 5 | Databases | the type of endity relationship where for every one record intertained by the primary key, there | one-to-one |
| | | can be only one record identified by the foreign key (eg artist to country_of_origin) | |
| | | | |
| 5 | Databases | a window or screen that contains numerous fields, or spaces to enter data into one record | Form |
| | | | |
| 5 | Databases | a simple and efficient display of data optimised for readability and printing | Report |
| 5 | Databases | the standard language used to communicate with a database | Structured Qerv |
| | | | Language |
| 5 | Databasos | a request made to a DBMS to collect, undate or delete data matching a specific criteria | |
| | Databases | a request made to a DBWS to select, update of delete data matching a specific cifteria | Dedundancu |
| Э | Databases | a condition created within a database in which the same piece of data is held in two separate | Redundancy |
| | | places | |
| 5 | Databases | data that is not of an allowed value, eg outside of the required range or of the wrong length or | Invalid |
| | | format (pattern of characters) and must be dealt with | |
| 5 | Databases | data that is within the required range and of the format expected by the program | Valid |
| 5 | Databases | an automatic check to ensure that the data entered is sensible and reasonable | Validation |
| 6 | Networks | a group of two or more computer systems connected together | Network |
| 6 | Networks | a computer network that spans a relatively small area | Local Area Network |
| 6 | Networks | a complete metric notifier of aview on a network that will transmit received nackets on any | Hub |
| 0 | Networks | as an part to all other parts to all devices on the network can see all packets on any | nub |
| | No | one port to an other ports so an devices on the network can see an packets | Next and a first |
| 6 | Networks | a connection point for device on a network that uses MAC addresses to forward packets to the | Network switch |
| | | correct destination device | |
| 6 | Networks | the unique physical address assigned to network interfaces for addressing communications on a | Media Access Control |
| | | LAN | address (MAC address) |
| | | | |
| 6 | Networks | circuit board installed into a computer to allow it to connect to networks | Network Interface Card |
| | | | |
| 6 | Networks | a bardware device on a network that allows other devices to connect to the network using WiFi | Wireless Access Point |
| Ũ | | | |
| ĥ | Networks | computer network in which one centralized, nowerful computer (called the conver) has many | Client-server |
| U | INCLINUINS | loss neurorful nereanal computers an uncluster transformer (called all server) inds indiny | CHEHL-SEIVEI |
| | National | less powerful personal computers or workstations (called clients) connected to it | Client |
| 6 | Networks | Software or hardware that requests services from a server | Client |
| 6 | Networks | the central, powerful computer that provides services to clients | Server |
| 6 | Networks | a computer network in which all computers are of equal status and there is no server | Peer-to-peer |
| 6 | Networks | a network topology in which each device (workstation, server, printer) is connected to two other | Ring |
| | | devices, which forms a ring for the signals to travel around | |
| 6 | Networks | a network toplogy in which all the workstations, servers and printers are joined to one cable | Bus |
| - | | - ···································· | |
| 6 | Networks | a network toplogy in which each device on the network has its own cable that connects to a | Star |
| 0 | Networks | a network topiogy in which each device on the network has its own cable that connects to a | Star |
| | National | Switch OF HUD | Mila Ana - Mist |
| 6 | Networks | a computer network that extends over a large geographical distance | Wide Area Network |
| | | | (WAN) |
| 6 | Networks | a 'chunk' or unit of data sent over a network including source address, destination address, and | Packet |
| _ | | the data to be sent which is known as the payload | |
| 6 | Networks | The amount of data that can be transferred on an internet connection in a given time period. | Bandwidth |
| | | typically measured in megabits per second (Mbps) | |
| 6 | Networks | The number of hits per second that can be transmitted between two points on a digital network | Bit Rate |
| 0 | | the names of one per second that can be transmitted between two points on a digital network | Stenate |
| | Notworks | the unique string of numbers concreted by full stone that identifies as the second state for | Internet Protocol |
| o | INCLINUTIKS | the unique string of numbers separated by run stops that identifies each computer for | |
| | | addressing communications on a WAN (eg the internet) | address (IP address) |

| Unit | Subsection | Definition | Word |
|------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 6 | Networks | the standard set of rules defining how data is should be represented, sent and received on a | protocol |
| | | network | |
| 6 | Networks | an automated trial-and-error attack used to repeatedly guess passwords, most effective on passwords which may be short or use words taken or modified from a dictionary | Brute Force Attack |
| 6 | Networks | a set of rules for user passwords on a network, typically including password history, age, length, | Password policy |
| | | and complexity, including the requirement for characters and numbers | |
| 6 | Networks | the protocol that defines how messages are formatted and transmitted on the World Wide Web | HyperText Transfer Protocol (HTTP) |
| 6 | The Internet | a copy of a data so that it may be retrieved either individually or as part of a disaster recovery | Backup |
| 6 | The Internet | a long term store of old, inactive data | Archive |
| 6 | The Internet | The purpose of scrambling data so it can be sent securely over networks | Encryption |
| 6 | The Internet | a protocol for secure (encrypted) communication over a computer network which is widely used on the Internet | HTTP Secure (HTTPS) |
| 6 | The Internet | the current protocol for secure (encrypted) secure connection to a Wi-Fi network | Wi-Fi Protected Access (WPA) |
| 6 | The Internet | a document stipulating constraints and practices that a user must agree and sign-up to before | Acceptable Use Policy |
| | | access to a network or the internet is granted | (AUP) |
| 6 | The Internet | the world-wide network of interconnected networks | Internet |
| 6 | The Internet | a device that allows a network to send and receive data on telephone or cable lines | Nodem |
| 6 | The Internet | a device that allows separate LANS to be connected | Router |
| 6 | The Internet | an internet service that translates domain names into iP addresses | Domain Name Server |
| 6 | The Internet | the standardized system of tags used in the creation of world wide web pages to achieve font, | Hypertext Markup |
| | T he state of the | colour, graphic, and hyperlink effects | Language (HTML) |
| 6 | The Internet | an item on a web page that directs the user to another page when clicked | Hyperlink |
| 6 | The Internet | the 24-bit colour depth image format that uses lossy compression, commonly used for digital photos | JPEG (.Jpg) |
| 6 | The Internet | the 8-bit colour depth image format that uses lossless compression, commonly used for simple images like clinart, logos, and also allows simple animations | GIF (.gif) |
| 6 | The Internet | the lossy compression format for Audio files, especially those downloaded from the internet | MP3 (.mp3) |
| 6 | The Internet | the lossy compression format for Video clips, suitable for short low resolution sequences on CD | MPEG-1 (.mpg) |
| 6 | The Internet | the common portable file format for capturing and sending electronic documents in exactly the intended format, especially when publishing on the internet | PDF (.pdf) |
| 6 | The Internet | the re-encoding of data to reduce the number of bits so that it may occupy less space in storage or be transmitted more quickly over networks, especially the internet | Compression |
| 6 | The Internet | a compression method that results in lost data and quality from the original version, so the compressed data is an approximation of the original data | Lossy |
| 6 | The Internet | a compression method that allows the original data to be perfectly reconstructed from the compressed data | Lossless |
| 7 | Algorithms | a notation resembling a simplified programming language with no formal rules of syntax, used in program design | Pseudocode |
| 7 | Algorithms | a type of diagram that represents an algorithm, showing the steps as boxes of various kinds, and their order by connecting them with arrows | Flowchart |
| 7 | Algorithms | a set of steps to be followed in order to solve a problem | Algorithm |
| 7 | Programming | a human readable computer programming language that resembles natural language and | High level language |
| 7 | Programming | a machine readable computer programming language that closely matches the CDL instruction | |
| , | languages | set. for example assembly language and machine code | Low icver language |
| 7 | Programming | a low level language that uses short mnemonics to represent the CPU machine code instructions. | Assembly language |
| _ | Languages | | |
| 7 | Programming Languages | a the lowest level language where each instruction is represented in binary (0s and 1s) for processing by the CPU | Machine Code |
| 7 | Programming | a program that converts a program into a functionally equivalent program in a different | Translator |
| 7 | Programming | a translator program that converts assembly language into machine code | Assembler |
| 7 | Languages Programming | a translator program that converts a high level language into machine code | Compiler |
| 7 | Languages Programming | a translator program that can analyse and execute a program line by line, often used in IDEs for | Interpreter |
| | Languages | debugging | |
| 7 | Programming Languages | programming environment that has been packaged as an application program, typically consisting of a code editor, syntax checking, auto-completion, translator (interpreter and compiler) and auto-documentation | Integrated Development Environment |
| 7 | Programming | the means by which a user can interact with a computer system | User interface |
| 7 | Programming | Allows users to communicate with a computer system using icons and menus | Graphical User Interface |
| 7 | Programming | User interface which requires instructions to be written in text, one at a time | Command line |
| 1 | Languages | שאבר התכרומנים שוווכור ובקטורפא הואנו טכנוטווא נט שם שווננפור זוו נפאנ, טוופ מג מ נוווופ | |

| Unit | Subsection | Definition | Word |
|------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 7 | Programming Languages | Software feature used to generate written information about the source code | Auto Documentation |
| 7 | Programming | the set of rules that defines the combinations of symbols that are considered to be a correctly | Syntax |
| 7 | Programming | the feature of an IDE whereby as you start to type the first part of a statement it suggests or | Auto-completion |
| 7 | Programming Languages | the smallest fragment of computer code that expresses what is to be carried out, for example an IF statement, which when compiled may result in several instructions in machine code | Statement |
| 7 | Programming | a series of instructions that never branch ans will allways be completed in the given order | Sequential program |
| 7 | Control Flow in Imperative Languages | a branching statement controlled by a condition or conditions (eg IF and CASE statements) that determine which of two or more sequences of statements are executed | Selection |
| 7 | Control Flow in Imperative Languages | a statement that causes a sequence of statements to be repeated a number or times, (eg FOR, WHILE and REPEAT statements) usually dependent on a given condition | Iteration |
| 7 | Control Flow in Imperative Languages | a named space in main memory (RAM) that contains a value that can changed during the execution of the program | Variable |
| 7 | Control Flow in Imperative Languages | The process of setting the value of a variable | Assignment |
| 7 | Control Flow in Imperative Languages | a named space in main memory (RAM) that contains a value that cannot be changed during the execution of the program | Constant |
| 7 | Data in Algorithms | a datatype that can contain only whole numbers | Integer |
| 7 | Data in Algorithms | a datatype that can contain only decimal numbers, known as a float datatype in Python | Real |
| 7 | Data in Algorithms | a datatype that can contain only the values True or False | Boolean |
| 7 | Data in Algorithms | a datatype with a size of exactly one byte that is used to represent a single extended ASCII character | Character |
| 7 | Data in Algorithms | a datatype used to contain a finite sequence of characters (i.e. letters, numerals, symbols and punctuation marks) | String |
| 7 | Data in Algorithms | a logical operation to be used when selecting on the basis that both of two separate conditions must evaluate True | AND |
| 7 | Data in Algorithms | a logical operation to be used when selecting on the basis that either one or both of two separate conditions must evaluate True | OR |
| 7 | Data in Algorithms | a logical operation to be used when a selecting on the basis that a condition evaluates False | NOT |
| 7 | Data in Algorithms | the set of operations used in basic mathematics including addition, subtraction, multiplication and division | Arithmetic operations |
| 7 | Data in Algorithms | the arithmetic operation that divides the first operand by second operand and returns remainder | Modulus |
| 7 | Data in Algorithms | the arithmetic operation where the first operand is raised to the power of the second operand | Exponent |
| 7 | Data in Algorithms | the set of operations where the first operand is compared to the sencond operand, including ==, <, >, <>, <= and >= | Comparison operations |
| 7 | Data in Algorithms | a series of values of the same datatype stores in a sequence, known as a list in Python | Array |
| 7 | Data in Algorithms | a error in a program produced by not following the syntax of the language | Syntax error |
| 7 | Data in Algorithms | a error in a program that causes it to function incorrectly, but not to terminate abnormally or crash | Logic error |
| 7 | Testing | a table that records the values of variables and conditions as the steps of the code are followed, used to check for logic errors and also known as a 'dry run' | Trace table |
| 7 | Testing | a table used to demonstrate that a program functions as intended by planning specific input combinations, and comparing the actual output to the desired output | Test plan |
| 7 | Testing | input data often used in test plans that can be used to check that programs function correctly at the extreme ends of value ranges, for example input 10 when a condition checks for a value being between 1 and 10 | Boundary data |