



What is the definition of information technology?	It is the technology used to create, maintain, and make information accessible.
Which IT position has the responsibility of working with routers and switches?	Network Administrator
In which generation were silicon chips first used in computers?	Third generation
Which low-level language corresponds one to one with assembly?	machine language
What allows an organization to use software through the internet?	SaaS or Software as a Service
What is one of IT's role in globalization?	It allows companies to reach a wider customer base.
Which category of computer has an external flat screen monitor, optical disk drive, and a large capacity hard drive?	Desktop
Which two software application packages would be classified as productivity software?	Spreadsheet program and word processor



Which two computer peripherals are connected to the computer through a port?	External microphone and USB flash drive
Which term is defined as a collection of information used to support management of an organization?	Information system
A website logs the timestamp, location, and browser of every visitor. It then aggregates this content into peak traffic times and days, minimum and maximum hits for each country and region, and popularity of certain browsers among visitors. What is the timestamp considered in this scenario?	Data
A department manager is creating a budget estimate for the upcoming year. The manager would like to determine whether the data will be available when the decision for the next year has to be made. Which characteristic of valuable data is the manager considering?	Reliable
Which two are parts of an information system?	Databases and Networks.
What is the difference between processing and storage?	Processing involves temporary information, while storage involves permanent information.
What type of information processing allows input data to be accepted as a set of records and processed as a unit?	Batch processing
What is the role of the systems administrator?	To install and maintain network resources.



Which action would be important for the IT department to take in order to help their business meet the goal of increased expansion?	Expanding the infrastructure to support additional locations.
What step should be taken by a business when a third-party solution is found that will benefit a project?	Contact the group to arrange a demo of their product.
Which risk assessment question is part of the initiation phase?	Could the end users reject the outcome of the project?
In what phase of a project does time estimation occur?	Planning
What effect does scope creep have on a project?	It increases unplanned costs for the project.
Which system requirement is an example of considering user needs in the design of an information system?	Allowing easy access to customer account information.
Which type of systems testing includes having the customer test the system in an operational setting to see if it is useful?	User Acceptance
Which type of systems conversion involves starting the conversion with a portion of end users?	Pilot



What are two necessary elements of business continuity planning?	Identifying risks that may occur Assessing key organizational activities.
Which disaster recovery strategy is used to save information to multiple hard drives at the same time?	Data mirroring
Which action would support confidentiality?	Updating security software.
Which regulation governs the actions of a company in case of data records being compromised, lost, or stolen?	Security Breach Notification laws
How can an organization assist employees with the ethical use of information technology?	By developing policies for information usage.
What is part of the role of an IT professional association?	Provides professional standards for ethical behavior. Engages in best practices for information systems
What is outside of the role of an IT professional association?	Writes laws dealing with information technology
Which benefit is provided by a computer network in a business?	Cost for hardware resources are decreased.



A software emulator program that permits a computer user to use multiple computers and multiple platforms without the expense of purchasing multiple computers.	virtual machines
Each computer is roughly equal to every other computer.	Peer-to-peer
One computer will request information from another computer, which responds with requested information.	Client-server
Allows the user to control the actions of the software and through the software, to access hardware.	The operating system
Which action by application programs requires support from an operating system?	An internet browser displays a web page.
What is true about the Linux operating system?	Linux runs on both servers and workstations
Which characteristic identifies application software that is cloud based?	provided by third party providers
What type of software permits free temporary use followed by long term activation for a fee?	Shareware



cram

Intro to IT final exam prep

Study this set online at: <http://www.cram.com/flashcards/intro-to-it-final-exam-prep-5698137>

What is the purpose of the End User License Agreement for a commercial software package?	Establishes the customer's right to use the software.
What is the difference between proprietary and open-source software license?	Proprietary software has a cost whereas open-source software is free.
Which two components are parts of a central processing unit?	Control Unit (CU) Arithmetic logic unit (ALU)
An employee needs to edit a contract and prepare a hard copy for a project team. Which two peripheral devices should be used?	printer monitor
Which motherboard component helps cool the CPU?	heat sink
Which item is a storage device?	flash drive
In which type of network topology is each networked device directly connected to every other networked device?	Mesh
Which communication medium is typically used when sending data transmissions over very long distances?	Radio signals



What indicates a specific internet location?	The ip address
Translates human readable aliases into IP addresses	domain name system (DNS)
Which part of a Uniform Resource Locator identifies the location of the document on the server?	Resource path id
Which goal of information Assurance (IA) requires that information is accessible when needed?	Availability
Which technique uses all possible combination of letters and numbers to crack a password?	brute force
which is a characteristic of high level languages?	language translator programs are required.
how does a compiler work?	It requires the components of the software to be defined from the onset.
On which tier of the n tier architecture model are user interfaces developed?	presentation



Which component facilitates communication between the other two components in the MVC architecture model?	controller
What is the difference between a compiled and interpreted computer language?	compiler translates an entire program into executable program which can be run at a later time, while the interpreter does this incrementally.
Which two languages have traditionally been used for automation rather than software development?	TCL and Python because they are scripting languages
Which is true of databases and the application that interact with them?	Applications are interdependent with the database.
What is another term for a formula that outlines how to execute a task?	Algorithm
What is the role of drivers in facilitating communication between application and databases?	They allow the ODBC to be used for interactions with the database and applications.
Which sql clause is used to inform the database management system which table should be interrogated by the query?	FROM
Which data type is used to represent product order code that comprises alphanumeric characters?	String data



cram

Intro to IT final exam prep

Study this set online at: <http://www.cram.com/flashcards/intro-to-it-final-exam-prep-5698137>

Why is it important to ensure that data support business goals?	To aid in making strategic decisions.
In which category of the DIKW hierarchy would business intelligence be located?	Knowledge
Which field must contain a unique value in order for a relational database table to function?	primary key
What are the three main categories of databases?	Flat file, relational, and hierarchical
What is the database administrator's role in security?	To institute protocols to protect the databases from external threats
A single chip process developed in 1974 by IBM	microprocessor
Over the years, the number of transistors that can be placed on a chip has increased by how much?	By orders of magnitude rather than linearly
What is the phenomenon observed that the number of transistors on a chip doubles every year and will continue for at least the next ten years?	Moore's law



cram

Intro to IT final exam prep

Study this set online at: <http://www.cram.com/flashcards/intro-to-it-final-exam-prep-5698137>

How long has Moore's law continued to be a trend?	from 1965 to the present
Is moore's law an observation or a physical law?	observation
The fetch-execute cycle is performed in an overlapped fashion on several instructions.	pipelines cpu
a programming language that is a lengthy list of 1s and 0s.	machine language
An early language translator that would translate an assembly program into machine language.	assemblers
Language that consists of English words, mathematical notation, and familiar syntax such as a semicolon used to end statements.	high level language
What was the operation system called in the early 1960s?	a resident monitor
Which statement allowed the programmer to transfer control from any location in a program to anywhere else in the program?	GOTO



cram

Intro to IT final exam prep

Study this set online at: <http://www.cram.com/flashcards/intro-to-it-final-exam-prep-5698137>

What does the GOTO statement create?	spaghetti code
What replaced the GOTO statement with high level control constructs such as while loops, and if-else statements, and is not allowed to use the GOTO statement?	structured programming
A stand alone entity that would be programmed to handle its own internal methods as well as messages received from other objects.	An object
What is the main difference between a compiled language and an interpreted language?	An interpreted language runs inside of a special environment called the interpreter.
When a programmer enters a command, what converts that command to machine language and executes it?	the interpreter
perl, php, ruby, python, and asp are interpreted languages that are also what other type of language?	scripting languages
Relies on a session and allows you to test out an idea because they are executed as they're written.	interpreter
Requires that the components of the software all be defined from the onset and is considered to have more efficient code.	compiler



cram

Intro to IT final exam prep

Study this set online at: <http://www.cram.com/flashcards/intro-to-it-final-exam-prep-5698137>

What generation used vacuum tubes in computers?	first generation
What generation of computers began to use transistors?	second
what generation of computers introduced the silicon chip?	third
what type of computer still uses silicon chips?	tablet
What generation of computers introduced operating systems?	third
What do integrated circuits need to function?	silicon chip
a location beacon that uses bluetooth technology and can be embedded in any location aware mobile device.	iBeacons
The myriad of types of devices that can and will be connected to the internet in the next few years.	the internet of things (IoT)



What does RFID stand for?	Radio frequency identification device
Refers to data sets that are so large and complex that they will require more advanced database management/processing tools than we currently use.	big data
what cloud service provides access and use of software to businesses through the internet?	SaaS or software as a service
which form of cloud computing enables teams of developers to quickly and reliably develop and deliver applications by accessing the same environment in real-time.	Paas or Platform as a Service
Which cloud service provides all the resources (servers, data storage) that an IT dept needs outside of the org making them accessible by anyone, anywhere	IaaS or Infrastructure as a Service
Reduced costs Increased speed of development of projects The ability to quickly and easily scale operations. Less reliance on internal IT expertise.	Benefits of cloud computing
What are the risks of cloud computing?	Org becomes dependent on the reliability and performance of a third party vendor. Adverse effects on internal IT employees. Could raise concerns about data ownership and compliance issues. Possible breach in security.
What are the main components in a computer?	CPU memory input/output (i/o) system bus



what does ipos stand for?	input, process, output, storage
Includes all peripheral devices for input, output, storage and network.	i/o subsystem
consists of long term storage devices	disk drives tapes
The device that permits information to move between each component.	The bus
Also known as the chassis or cabinet.	The case of a computer
The circuitry and electrical channels that enable communication among the electronic components.	the bus
the printed circuit board that houses the cpu, memory chips, and expansion cards in any computer.	the motherboard
also referred to as "the chip"	CPU



cram

Intro to IT final exam prep

Study this set online at: <http://www.cram.com/flashcards/intro-to-it-final-exam-prep-5698137>

Retrieves instructions and raw data (input) and manages the transmission of the instructions and data to the alu.	Control unit
Completes mathematical calculations and logical operations to process the data, converting the input of keyboard text entry to output displayed on the screen.	arithmetic logic unit
controls the speed at which instructions are processed.	The system clock
What is the measurement unit used to identify clock speed on today's computers?	GHz
What does BIOS stand for	Basic input output system
The basic operating system that runs when a computer is first turned on. It runs test of memory and the cpu, and initializes hardware components so that the actual Operating system can be loaded from the hard disk.	BIOS ROM
Temporarily stores data before it is processed and sent to your screen or printer.	RAM
Volatile memory that disappears when the computer is turned off or loses power.	RAM



Houses CDs and DVDs, typically located on the front of the system unit for easy access.	bays
can insert modem cards, wireless access cards, and other PC cards such as camera cards	slots
Can connect additional input, output, storage, and communication devices	ports
computer that has the least amount of performance	handheld
computer that has the mid amount of performance capability	laptop
computer with the most amount of performance capability	desktop
consists of programs that end users run to accomplish tasks. An example of a type of this software includes the email client, web browser, and ftp client	application software
consists of applications that are useful to everyone such as word processor, presentation software, spreadsheet program, database mgmt systems, calendar program, address book, and data organizer.	productivity software



software more specific towards artists and graphic designers	drawing software
also referred to as horizontal software	productivity software
Software used by select groups within an organization or to a specific discipline such as music sequencers, samplers, and digital recorders for musicians.	vertical software
programs that make up the operating system and directly support the computer system itself.	system software
Pieces of the operating system that run in the background all of the time	daemons or services
works with hardware to provide a network service, types of software include web servers, email servers, and database servers	server software
software stored on an individual computer	local application
the ability to have computation anywhere at any time	ubiquitous computing



Android, Chrom, and iOS are common operating systems for which type of computer?	mobile devices
dedicated computers within a network whose function is to respond to network requests and provide a network service	server
loaded when the computer is first booted, included components that handle process mgmt, resource mgmt, and memory mgmt	kernel
sits on top of the hardware and is the interface between hardware and software	the kernel
a piece of the operating system that provides specific interfaces between the OS running a computer and hardware.	device drivers
an interface for the user that provides access to the kernel	the shell
programs that allow the user to monitor and improve system performance	system utilities
sometimes referred to as root or superuser	administrator account



cram

Intro to IT final exam prep

Study this set online at: <http://www.cram.com/flashcards/intro-to-it-final-exam-prep-5698137>

What is the role of a web server	to respond to HTTP requests
What does http stand for?	hypertext transfer protocol
Used in an organization to act as a giant cache of web pages that anyone in the organization has recently retrieved.	proxy server
what type of server has the capability of blocking specific servers and rejecting responses that contain certain content?	proxy server
permits database access across a network. Performs tasks such as data analysis, data manipulation, security, and archiving.	database server
like a web server, this server host files and allows clients to access those files. However, it instead provides access in the form of uploading and downloading files.	ftp server
a computer with a large hard disk storing files that any or many users of the network may wish to access.	file server
data that has been processed	information



in the dikw, what is data?	data is the input directly received by human or computer.
in dikw, what is information?	information is inferred from data, meaning that one or many processes have been applied to the data to transform it into a more useful form.
in dikw, what is knowledge?	refined information that the user of the knowledge is able to call for the only relevant portions of information when needed.
in dikw, what is wisdom?	having both knowledge and experience
which characteristic of quality data requires data being used to be applied directly to the decision being made.	relevance
characteristic of quality data where data is provided efficiently and on time so that companies can utilize it in their business.	timely
characteristic of quality data whereas data must be complete and not contain errors or lapses of data.	thorough
characteristic of quality data whereas data is captured once only, where possible, and captured as close to the point of activity as possible.	accurate



characteristic of quality data whereas data should reflect stable and consistent data collection processes across collection points and over time, whether using manual or computer based systems or a combination.	reliable
What four operations does a computer perform?	input processing Output Storage
The physical components of a computer	hardware
the programs and other operating information used by the computer	software
a collection of computers and resources connected by various media so they can communicate with each other.	network
The people who use the computer system	users
A set of rules established to govern how people behave and interact with each other	a protocol
a requirement of all computers to communicate over the internet	transmission control protocol/ internet protocol or TCP/IP



A collection of protocols that is sometimes referred to as a protocol stack	tcp/ip
commercial software purchased from a vendor	proprietary
proprietary software produced by a company that commercially markets software	software house
software free from purchase, but not necessarily free in how you use it.	freeware
what types of software is usually software that has become obsolete because a new software has replaced it, or is software that the original producer no longer wants to maintain and provide support for?	freeware public domain
software that has been moved into the public domain and are made available as executables.	public domain
software created in the open source community and made freely available as source code	open source
protects an original work, but not the ideas behind the work	copyright



cram

Intro to IT final exam prep

Study this set online at: <http://www.cram.com/flashcards/intro-to-it-final-exam-prep-5698137>

exclude right to make copies, prepare derivative works, and distribute copies of the work for the duration of the author's life plus 70 years.

copyright