

# [Ist practice cheat sheet](https://assignbuster.com/ist-practice-cheat-sheet/)

In a worksheet, the intersection of a row and a column is called a \_\_\_\_. a. footer

b. table

c. pointer

d. cell (!)

With bitmapped images, the color of each \_\_\_\_ is represented by bits; the more bits used, the better the image quality. a.   
vector

b.   
map

c. (!)   
pixel

d.   
byte

Some \_\_\_\_ must be added in pairs for optimal performance. a.   
interfaces

b.   
memory modules (!)

c.   
USB ports

d.   
hard drives

The \_\_\_\_ allows individuals to " placeshift" multimedia content from their home TVs and DVRs to their portable computer or mobile device. a.   
Singmedia

b.   
Slingbox (!)

c.   
Shiftmedia

d.   
Singbox

\_\_\_\_ programs are software programs that are distributed on the honor system. a.   
Commercial

b.   
Shareware (!)

c.   
Freeware

d.   
Public domain

Case-Based Critical Thinking Questions

Case 16-1   
Jack is a computer programmer who spends most of the day at his desk. Recently, he visited the doctor to get advice about persistent eyestrain and an aching back.

To combat his eyestrain, Jack's doctor advised him to \_\_\_\_.

a.   
use a light touch on the keyboard

b.   
use a lower screen resolution (!)

c.   
use a footrest

d.   
turn down the volume when using headphones

\_\_\_\_ can be extremely distressing for victims, can take years to straighten out, and can be very expensive. a.   
Remote access

b.   
Identity theft (!)

c.   
Spams

d.   
Software theft

A \_\_\_\_ is equal to 1, 024 bytes. a.   
kilobyte (KB) (!)

b.   
megabyte (MB)

c.   
gigabyte (GB)

d.   
terabyte (TB)

External hard drives today typically connect to a computer via a USB or \_\_\_\_ port. a.   
IrDA

b.   
Bluetooth

c.   
Firewall

d.   
FireWire

The \_\_\_\_ implements regulations for unsolicited e-mail messages and lays the groundwork for a federal Do Not E-Mail Registry. Selected Answer:

USA Patriot Act   
Answers:   
a.   
Sarbanes-Oxley Act   
b.   
USA Patriot Act

CAN-SPAM act (!)   
d.   
Junk Fax Prevention Act

In a typical client-server database application, the client is called the \_\_\_\_. Selected Answer:   
Correcta.   
front end   
Answers:

front end (!)   
b.   
back end   
c.   
portal   
d.   
rear end

Case-Based Critical Thinking Questions

Case 14-2   
The JL Group is a political think tank that is incorporating new media into their analyses.

The employees of JL Group who use the database of the company for their daily work, without having knowledge of how the underlying database is structured, interact with the database \_\_\_\_.

Selected Answer:   
Correctc.   
using the user interface   
Answers:   
a.   
through the database designer   
b.   
through the database programmer   
Correctc.   
using the user interface (!)   
d.   
using the database script

Question 15   
0 out of 1 points   
Case-Based Critical Thinking Questions

Case 4-2   
Lisa is a student who regularly uses the computers at her local Internet café to listen to music, talk to her friends and family through the Internet, and play computer games.

The Internet café has recently enacted a new policy that says that all users must use the \_\_\_\_ attached to their computers when carrying out activities on the computer that will provide sound, so as to not disturb the other users.

Selected Answer:   
Incorrect [None Given]   
Answers:   
a.   
scanners   
Correctb.   
headphones (!)   
c.   
iPod docks   
d.   
speakers

A computer that is controlled by a hacker or other computer criminal is referred to as a \_\_\_\_. Selected Answer:   
Correctd.   
bot   
Answers:   
a.   
client   
b.   
spider   
c.   
server   
Correctd.   
bot

A(n) \_\_\_\_ is an alternate location equipped with the computers, cabling, desks, and other equipment necessary to keep a business's operations going. Selected Answer:   
Correctd.   
hot site   
Answers:   
a.   
buddy site   
b.   
white room   
c.   
alternate pad   
Correctd.   
hot site (!)

Most \_\_\_\_ programs are available to try free of charge, but typically a small fee is required to use the program regularly. Selected Answer:   
Incorrectb.   
freeware   
Answers:   
a.   
public domain   
b.   
freeware   
Correctc.   
shareware (!)   
d.   
commercial

Case-Based Critical Thinking Questions

Case 2-2   
Jack has a computer at home that he uses to access the Internet, store and edit personal photos, and create and edit documents. Recently, he has come to realize that in order to keep the computer performing at its best, he needs to carry out regular system maintenance on the computer.

Jack can use the \_\_\_\_ program to locate and delete temporary files, such as installation files, Web browsing history, and files in the Recycle Bin.

Selected Answer:   
Incorrect [None Given]   
Answers:   
a.   
Windows Registry   
b.   
Disk Defragmenter   
c.   
Temporary Files   
Correctd.   
Windows Disk Cleanup (!)

The bus width and bus speed together determine the bus's \_\_\_\_ or bandwidth; that is, the amount of data that can be transferred via the bus in a given period of time. Selected Answer:   
Correctc.   
throughput   
Answers:   
a.   
machine cycle   
b.   
memory   
Correctc.   
throughput (!)   
d.   
clock speed

\_\_\_\_ is a set of rules for exchanging data over the Web. Selected Answer:   
Incorrecta.   
MP3   
Answers:   
a.   
MP3   
Correctb.   
XML (!)   
c.   
PDF   
d.   
CGI

Case-Based Critical Thinking Questions

Case 2-1   
Jess is a musician who has just bought a new computer. Now she has to determine how to connect this computer to the devices that were connected to her old computer.

To connect her external hard drive where her music files are stored to the computer, Jess needs to use the \_\_\_\_ port.

Selected Answer:   
Incorrect [None Given]   
Answers:   
Correcta.   
USB (!)   
b.   
serial   
c.   
modem   
d.   
network

The \_\_\_\_ Web is a predicted evolution of the current Web in which all Web content is stored as if it were data in a database so that it can be retrieved easily when needed to fulfill user requests. Selected Answer:   
Incorrectc.   
Central   
Answers:   
Correcta.   
Semantic (!)   
b.   
Intelligent   
c.   
Central   
d.   
Knowledge

A company's \_\_\_\_ oversees routing transaction processing and information systems activities, as well as other computer-related areas. Selected Answer:   
Incorrectc.   
chief data officer (CDO)   
Answers:   
a.   
chief security officer (CSO)   
Correctb.   
chief information officer (CIO) (!)   
c.   
chief data officer (CDO)   
d.   
chief executive officer (CEO)

A computer \_\_\_\_ spreads by creating copies of its code and sending those copies to other computers via a network. Selected Answer:   
Correctd.   
worm   
Answers:   
a.   
virus   
b.   
hacker   
c.   
software   
Correctd.   
worm (!)

The \_\_\_\_ contains all data definitions for a database, including table structures, security information, relationships between the tables in the database, and so on. Selected Answer:   
Correctb.   
data dictionary   
Answers:   
a.   
database book   
Correctb.   
data dictionary (!)   
c.   
data box   
d.   
data book

\_\_\_\_, the most commonly used type of possessed knowledge, are secret words or character combinations associated with an individual. Selected Answer:   
Correctb.   
Passwords   
Answers:   
a.   
Usernames   
Correctb.   
Passwords (!)   
c.   
PINs   
d.   
Codes

An inventory management system that goes beyond just inventory to act as a complete distribution system is referred to as a \_\_\_\_ management system (WMS). Selected Answer:   
Correctb.   
warehouse   
Answers:   
a.   
warranted   
Correctb.   
warehouse (!)   
c.   
wireless   
d.   
world

External hard drives today typically connect to a computer via a USB or \_\_\_\_ port. Selected Answer:   
Correctd.   
FireWire   
Answers:   
a.   
IrDA   
b.   
Bluetooth   
c.   
Firewall   
Correctd.   
FireWire (!)

The most common type of database used on PCs today is a(n) \_\_\_\_. Selected Answer:   
Incorrectc.   
two-way database   
Answers:   
Correcta.   
relational database (!)   
b.   
concurrent database   
c.   
two-way database   
d.   
one-dimensional database

With the \_\_\_\_, businesses sell goods or services to individual consumers. Selected Answer:   
Correctc.   
business-to-consumer (B2C) model   
Answers:   
a.   
business-to-business (B2B) model   
b.   
consumer-to-consumer (C2C) model   
Correctc.   
business-to-consumer (B2C) model (!)   
d.   
business-to-government (B2G) model

\_\_\_\_ is a software development approach that continues the programming trend of breaking a software program into small and more manageable pieces that overlap in functionality as little as possible. Selected Answer:   
Incorrecta.   
Object-Oriented Programming (OOP)   
Answers:   
a.   
Object-Oriented Programming (OOP)   
Correctb.   
Aspect-oriented programming (AOP) (!)   
c.   
Structured programming   
d.   
Object Programming (OP)

Filenames typically include a \_\_\_\_ at the end of the filename. Selected Answer:   
Incorrectb.   
file subname   
Answers:   
a.   
file attachment   
b.   
file subname   
Correctc.   
file extension (!)   
d.   
file subscript

Charts are inserted into an Excel spreadsheet using the commands in the Charts group on the \_\_\_\_ tab on the Ribbon. Selected Answer:   
Incorrectd.   
Data   
Answers:   
a.   
Tools   
Correctb.   
Insert (!)   
c.   
Format   
d.   
Data

A \_\_\_\_ is a large screen computer either built into a table or designed to be used on a table and that allows multi-touch input from multiple users. Selected Answer:   
Correctc.   
table PC   
Answers:   
a.   
digitizing tablet   
b.   
touch coding system   
Correctc.   
table PC (!)   
d.   
tactile feedback screen

\_\_\_\_ is a video format developed by Microsoft for use with Windows Media Player. Selected Answer:   
Correctd.   
. wmv   
Answers:   
a.   
. avi   
b.   
. mov   
c.   
. mp3   
Correctd.   
. wmv (!)

Antivirus programs are usually set up to automatically download new \_\_\_\_ from their associated Web site on a regular basis. Selected Answer:   
Correcta.   
threat definitions   
Answers:   
Correcta.   
threat definitions (!)   
b.   
fraud tips   
c.   
virus reports   
d.   
viruses

\_\_\_\_ is the process of gathering, storing, accessing, and analyzing data about a company in order to make better business decisions. Selected Answer:   
Correctb.   
Business intelligence   
Answers:   
a.   
Business flowchart   
Correctb.   
Business intelligence (!)   
c.   
System architecture   
d.   
Enterprise architecture

A USB \_\_\_\_ is a device that plugs into your PC's USB port to convert one port into several USB ports. Selected Answer:   
Incorrectc.   
bus   
Answers:   
a.   
module   
Correctb.   
hub (!)   
c.   
bus   
d.   
connector

A personal computer (PC) or \_\_\_\_ is a small computer system designed to be used by one person at a time. Selected Answer:   
Correctc.   
microcomputer   
Answers:   
a.   
microchip   
b.   
small processor   
Correctc.   
microcomputer (!)   
d.   
processor

Smart cards and holographic drives are examples of \_\_\_\_ systems. Selected Answer:   
Incorrectd.   
artificial intelligence   
Answers:   
a.   
Wi-Fi   
Correctb.   
storage (!)   
c.   
satellite   
d.   
artificial intelligence

Although many of us may prefer not to think about it, \_\_\_\_—the complete malfunction of a computer system—and other types of computer-related disasters do happen. Selected Answer:   
Correctb.   
system failure   
Answers:   
a.   
interrupted power   
Correctb.   
system failure (!)   
c.   
spikes   
d.   
software piracy

Case-Based Critical Thinking Questions

Case 1-1   
Sarah is a very active real estate agent. She is looking to purchase a new computer and software so she can keep track of her client's accounts, access the Internet from anywhere in the city, and touch-up photos of real estate properties.

Sarah needs to store digital photographs of houses she is previewing. She needs to be able to copy these to the computer at her office. What type of storage device should she use?

Selected Answer:   
Incorrectd.   
firewire port   
Answers:   
a.   
data projector   
Correctb.   
USB flash drive (!)   
c.   
scanner   
d.   
firewire port

\_\_\_\_ is a specialized agency of the United Nations and attempts to resolve international commercial disputes about intellectual property between private parties. Selected Answer:   
Correctb.   
WIPO   
Answers:   
a.   
OLPC   
Correctb.   
WIPO (!)   
c.   
USPTO   
d.   
DRM

\_\_\_\_ are used for marketing purposes, such as sending advertisements that fit each individual's interests or trying to sign people up over the phone for some type of service. Selected Answer:   
Correctb.   
Marketing databases   
Answers:   
a.   
Government databases   
Correctb.   
Marketing databases (!)   
c.   
Educational databases   
d.   
Research databases

One type of nonvolatile RAM, called MRAM, uses \_\_\_\_ polarization rather than an electrical charge to store data. Selected Answer:   
Incorrectb.   
magnetocharged   
Answers:   
a.   
magnetobalanced   
b.   
magnetocharged   
Correctc.   
magnetic (!)   
d.   
magnetoselective

One factor affecting digital camera quality is the number of pixels, measured in \_\_\_\_, used to store the data for each image. Selected Answer:   
Correctb.   
megapixels   
Answers:   
a.   
kilopixels   
Correctb.   
megapixels (!)   
c.   
gigapixels   
d.   
terapixels

\_\_\_\_ was originally developed as a programming language designed for processing text. Selected Answer:   
Incorrecta.   
JavaScript   
Answers:   
a.   
JavaScript   
Correctb.   
Perl (!)   
c.   
AJAX   
d.   
ActiveX

\_\_\_\_ are useful for identifying procedures and summarizing the decision making process for one step of a system. Selected Answer:   
Incorrecta.   
Data dictionaries   
Answers:   
a.   
Data dictionaries   
b.   
Feasibility reports   
c.   
Entity-relationship diagrams   
Correctd.   
Decision tables (!)

The \_\_\_\_ enables up to 127 devices to be connected to a computer through a single port on the computer's system unit. Selected Answer:   
Correcta.   
USB standard   
Answers:   
Correcta.   
USB standard (!)   
b.   
HyperTransport bus   
c.   
AGP (Accelerated Graphics Port) bus   
d.   
PCI Express Bus

The file management program incorporated into Windows 8 is \_\_\_\_. Selected Answer:   
Incorrecta.   
Disk Cleanup   
Answers:   
a.   
Disk Cleanup   
b.   
StuffIt   
Correctc.   
File Explorer (!)   
d.   
WinZip

One of the properties that can be assigned to a field is a(n) \_\_\_\_ to specify the format (such as letters, numbers, or symbols) that must be entered into a field. Selected Answer:   
Incorrectd.   
format structure   
Answers:   
Correcta.   
input mask (!)   
b.   
data filter   
c.   
data mask   
d.   
format structure

\_\_\_\_ have begun to replace ROM for storing system information, such as a PC's BIOS. Selected Answer:   
Correcta.   
Flash memory chips   
Answers:   
Correcta.   
Flash memory chips (!)   
b.   
Microprocessors   
c.   
Adapter cards   
d.   
Motherboards

Case-Based Critical Thinking Questions

Case 13-2   
Kelly is a college sophomore majoring in computer science. She is interested in gaining exposure to the most useful and current programming languages and techniques.

One of the languages that Kelley is learning is \_\_\_\_ an object-oriented programming language that is commonly used to write Web applications.

Selected Answer:   
Incorrectd.   
Visual Basic   
Answers:   
a.   
C   
b.   
COBOL   
Correctc.   
Java (!)   
d.   
Visual Basic

\_\_\_\_ is the process of building the Web site, including developing all of the components to be used on the Web site, creating the actual Web pages, testing the site, and publishing the site. Selected Answer:   
Incorrecta.   
Web site design   
Answers:   
a.   
Web site design   
b.   
Web site planning   
Correctc.   
Web site development (!)   
d.   
Web site deployment

Plasma displays use a layered technology like LCD and \_\_\_\_ and look   
similar to LCD displays. Selected Answer:   
Correctc.   
OLED   
Answers:   
a.   
SED   
b.   
IMOD   
Correctc.   
OLED (!)   
d.   
PHOLED

Case-Based Critical Thinking Questions

Case 3-2   
Rodney owns a computer that he uses to work, keep in touch with friends and family, watch movies, listen to music, and use the Internet.

If Rodney wants to be able to record, erase, and overwrite the files on a CD, he should get a \_\_\_\_.

Selected Answer:   
Incorrectb.   
CD-BD   
Answers:   
a.   
CD-R   
b.   
CD-BD   
Correctc.   
CD-RW (!)   
d.   
CD-HD

The Windows \_\_\_\_ shown in the accompanying figure contains the following objects: Windows, Icons, Menus, Toolbars, Taskbar, Hyperlinks, Sizing buttons, and a Dialog box. Selected Answer:   
Incorrectd.   
command   
Answers:   
a.   
general menu   
Correctb.   
desktop (!)   
c.   
toolbox   
d.   
command

For designing the layout of a Web page, \_\_\_\_ are commonly used when designing animated components. Selected Answer:   
Incorrecta.   
page layouts   
Answers:   
a.   
page layouts   
b.   
flowcharts   
Correctc.   
storyboards (!)   
d.   
plots

Conventional dial-up connects to the Internet at a maximum of \_\_\_\_. Selected Answer:   
Incorrectd.   
128 Kbps   
Answers:   
a.   
10. 2 Kbps   
b.   
28. 8 Kbps   
Correctc.   
56 Kbps (!)   
d.   
128 Kbps

\_\_\_\_ identify users by a particular unique biological characteristic. Selected Answer:   
Correcta.   
Biometric access systems   
Answers:   
Correcta.   
Biometric access systems (!)   
b.   
Possessed object access systems   
c.   
Possessed knowledge access systems   
d.   
Password access systems

A \_\_\_\_ is a group of values and other data organized into rows and columns, similar to the ruled paper worksheets traditionally used by bookkeepers and accountants. Selected Answer:   
Correctd.   
spreadsheet   
Answers:   
a.   
cell   
b.   
document   
c.   
block   
Correctd.   
spreadsheet (!)

A \_\_\_\_ holds a single category of data (such as customer names or employee telephone numbers) that will be stored in a database. Selected Answer:   
Incorrectb.   
record   
Answers:   
Correcta.   
field (!)   
b.   
record   
c.   
cell   
d.   
table

A \_\_\_\_ is the smallest unit of data that a binary computer can recognize. Selected Answer:   
Incorrectb.   
byte   
Answers:   
a.   
datum   
b.   
byte   
Correctc.   
bit (!)   
d.   
pixel

The earliest programming languages—machine language and assembly language—are referred to as \_\_\_\_. Selected Answer:   
Incorrectb.   
procedural programming languages   
Answers:   
a.   
third-generation programming languages (3GLs)   
b.   
procedural programming languages   
c.   
interpreted languages   
Correctd.   
low-level languages (!)

A booming area of computer crime involves online fraud, theft, scams, and related activities collectively referred to as \_\_\_\_. Selected Answer:   
Incorrectd.   
e-scams   
Answers:   
a.   
dot frauds   
Correctb.   
dot cons (!)   
c.   
e-cons   
d.   
e-scams

One of the most straightforward ways to improve the quality of the hits returned in a search is to use \_\_\_\_—essentially typing more than one keyword in a keyword search. Selected Answer:   
Incorrecta.   
character searching   
Answers:   
a.   
character searching   
b.   
index searching   
c.   
code searching   
Correctd.   
phrase searching (!)

Print speed is typically measured in \_\_\_\_. Selected Answer:   
Incorrectb.   
dots per second (dps)   
Answers:   
Correcta.   
pages per minute (ppm) (!)   
b.   
dots per second (dps)   
c.   
characters per second(cps)   
d.   
pixels per minute (ppm)

Popular drawing programs include \_\_\_\_ and CorelDRAW. Selected Answer:   
Correcta.   
Adobe Illustrator   
Answers:   
Correcta.   
Adobe Illustrator (!)   
b.   
Harvard Graphics   
c.   
Corel Paint Shop Pro   
d.   
IBM Storyboard

\_\_\_\_ memory allows you to use more memory than is physically available on your computer. Selected Answer:   
Correctb.   
Virtual   
Answers:   
a.   
Multithreading   
Correctb.   
Virtual (!)   
c.   
Buffer   
d.   
Shared

\_\_\_\_ refers to identifying the browser used by each visitor, typically via JavaScript code. Selected Answer:   
Incorrectb.   
Browser mapping   
Answers:   
a.   
Personalization   
b.   
Browser mapping   
c.   
Visitor identification   
Correctd.   
Browser sniffing (!)

Case-Based Critical Thinking Questions

Case 7-2   
Gabrielle is the network administrator at a medium-sized company. One of her responsibilities is to purchase network devices to maintain the company network.

Gabrielle is planning to connect selected devices to the network wirelessly with a wireless \_\_\_\_.

Selected Answer:   
Incorrectb.   
hub   
Answers:   
a.   
hotspot   
b.   
hub   
c.   
data point   
Correctd.   
access point (!)

Adding to the problem of unethical \_\_\_\_ is the use of digital cameras today, which eliminate the photo negatives that could be used with film cameras to show what photographs actually looked like at the time they were taken. Selected Answer:   
Correctd.   
digital manipulation   
Answers:   
a.   
identity theft   
b.   
cybersquatting   
c.   
digital counterfeiting   
Correctd.   
digital manipulation (!)

Hollerith's machine was used to process the 1890 U. S. Census data and was able to complete the task in \_\_\_\_, instead of the decade it usually took to process the data by hand. Selected Answer:   
Incorrectb.   
four years   
Answers:   
a.   
two months   
b.   
four years   
Correctc.   
two and a half years (!)   
d.   
six years

Antivirus programs are usually set up to automatically download new \_\_\_\_ from their associated Web site on a regular basis. Selected Answer:   
Correctd.   
threat definitions   
Answers:   
a.   
virus reports   
b.   
viruses   
c.   
fraud tips   
Correctd.   
threat definitions (!)

There are independent Web sites (such as the \_\_\_\_ Web site) that report on the validity of current online rumors and stories. Selected Answer:   
Incorrecta.   
Identifier   
Answers:   
a.   
Identifier   
b.   
Phisher   
Correctc.   
Snopes (!)   
d.   
Spammer

Case-Based Critical Thinking Questions

Case 14-2   
The JL Group is a political think tank that is incorporating new media into their analyses.

The JL Group has gathered data on voting habits. In order to make sure that respondents cannot claim to have voted in more elections than is possible given their age, \_\_\_\_ rules can be assigned to the database tables.

Selected Answer:   
Incorrectd.   
index validation   
Answers:   
a.   
dynamic   
b.   
DBA validation   
Correctc.   
record validation (!)   
d.   
index validation

In a 16. 8-million-color (called photographic quality or \_\_\_\_) image, three bytes (24 bits) are used to store the color data for each pixel in the image. Selected Answer:   
Incorrectb.   
mega color   
Answers:   
a.   
real color   
b.   
mega color   
c.   
full color   
Correctd.   
true color (!)

Rearranging the data on the hard drive so all files are stored in contiguous locations is called \_\_\_\_. Selected Answer:   
Incorrectb.   
disk backup   
Answers:   
Correcta.   
disk defragmentation (!)   
b.   
disk backup   
c.   
file compression   
d.   
disk cleanup

\_\_\_\_ bring buyers and sellers together to facilitate transactions between the two parties. Selected Answer:   
Correctb.   
Brokerage sites   
Answers:   
a.   
E-tailers   
Correctb.   
Brokerage sites (!)   
c.   
M-Brokers   
d.   
Shop carts

Some \_\_\_\_ must be added in pairs for optimal performance. Selected Answer:   
Incorrectb.   
interfaces   
Answers:   
Correcta.   
memory modules (!)   
b.   
interfaces   
c.   
hard drives   
d.   
USB ports

\_\_\_\_ store checkout information in the customer's account for use with purchases on that site only. Selected Answer:   
Incorrectc.   
Site-specific online payment accounts   
Answers:   
a.   
Site-specific electronic check accounts   
b.   
Site-specific smart cards   
c.   
Site-specific online payment accounts   
Correctd.   
Site-specific digital wallets (!)

The most common flat-panel technologies include liquid crystal display (LCD), various types of light emitting diode (LED), and \_\_\_\_. Selected Answer:   
Incorrectb.   
HDTV   
Answers:   
Correcta.   
gas plasma (!)   
b.   
HDTV   
c.   
HD-integrated   
d.   
DVR

Case-Based Critical Thinking Questions

Case 7-2   
Gabrielle is the network administrator at a medium-sized company. One of her responsibilities is to purchase network devices to maintain the company network.

Gabrielle is planning to connect selected devices to the network wirelessly with a wireless \_\_\_\_.

Selected Answer:   
Incorrectc.   
hotspot   
Answers:   
a.   
hub   
Correctb.   
access point (!)   
c.   
hotspot   
d.   
data point

Ultraportables conforming to Intel's standards can be marketed as \_\_\_\_. Selected Answer:   
Incorrecta.   
hybrids   
Answers:   
a.   
hybrids   
Correctb.   
Ultrabooks (!)   
c.   
smallframe computers   
d.   
IntelBooks

Data definition involves describing the properties of the data that go into each database table, specifically the \_\_\_\_ that make up the database. Selected Answer:   
Incorrecta.   
records   
Answers:   
a.   
records   
Correctb.   
fields (!)   
c.   
characters   
d.   
rows

Program \_\_\_\_ use graphic symbols and relational operators (such as < for " less than" and = for " equal to") to portray the sequence of steps needed to fulfill the logic in that program, module, or method. Selected Answer:   
Incorrectc.   
pseudocode   
Answers:   
Correcta.   
flowcharts (!)   
b.   
structure charts   
c.   
pseudocode   
d.   
models

Middleware for Web database applications is commonly written as \_\_\_\_—short sections of code written in a programming or scripting language that are executed by another program. Selected Answer:   
Incorrectb.   
JavaScripts   
Answers:   
Correcta.   
scripts (!)   
b.   
JavaScripts   
c.   
applets   
d.   
utilities

Case 8-2   
Brenda is a college student who enjoys downloading music, movies, and television shows from the Internet. She also uses the Internet for other entertainment, such as sports.

Brenda also orders movies and television through the Internet via a(n) \_\_\_\_ provider, which allows users to download video for a small fee.

Selected Answer:   
Incorrectc.   
RSS   
Answers:   
a.   
VoIP   
Correctb.   
VOD (!)   
c.   
RSS   
d.   
blog

One advantage of a dial-up connection is \_\_\_\_. Selected Answer:   
Incorrecta.   
connection speed   
Answers:   
a.   
connection speed   
Correctb.   
security (!)   
c.   
continuous availability   
d.   
sharing the connection

A(n) \_\_\_\_ is a form of protection available to the creator of an original artistic or literary work, such as a book, movie, software program, musical composition, or painting. Selected Answer:   
Incorrectb.   
patent   
Answers:   
a.   
intellectual ownership right   
b.   
patent   
Correctc.   
copyright (!)   
d.   
trademark

One of the most common painting programs is \_\_\_\_. Selected Answer:   
Incorrecta.   
Adobe's Acrobat   
Answers:   
a.   
Adobe's Acrobat   
b.   
IBM's Storyboard   
Correctc.   
Microsoft Paint (!)   
d.   
Macromedia's Dreamweaver

One measurement of the speed of a CPU is the \_\_\_\_, which is rated in megahertz (MHz) or gigahertz (GHz). Selected Answer:   
Incorrectb.   
CPU rpm   
Answers:   
a.   
system rpm   
b.   
CPU rpm   
Correctc.   
CPU clock speed (!)   
d.   
system speed

\_\_\_\_ is increasingly being tied to crime and even death in some countries. Selected Answer:   
Incorrectc.   
OLPC   
Answers:   
a.   
CVS   
b.   
CAD   
c.   
OLPC   
Correctd.   
Internet addiction (!)

\_\_\_\_ devices are designed to withstand much more physical abuse than conventional devices. Selected Answer:   
Correctd.   
Ruggedized   
Answers:   
a.   
Secured   
b.   
Malleable   
c.   
Flexible   
Correctd.   
Ruggedized (!)

Artificial intelligence systems that attempt to imitate the way a human brain works are called \_\_\_\_. Selected Answer:   
Incorrectb.   
robots   
Answers:   
a.   
biometric systems   
b.   
robots   
c.   
expert systems   
Correctd.   
neural networks (!)

RAID 0 uses disk \_\_\_\_, which spreads files over several disk drives. Selected Answer:   
Incorrecta.   
mirroring   
Answers:   
a.   
mirroring   
b.   
burning   
c.   
clustering   
Correctd.   
striping (!)

To record data, holographic storage systems split the light from a blue laser beam into \_\_\_\_ beams. Selected Answer:   
Correcta.   
two   
Answers:   
Correcta.   
two (!)   
b.   
four   
c.   
five   
d.   
ten

A \_\_\_\_ is a separate piece of hardware containing multiple high-speed hard drives. Selected Answer:   
Correctb.   
storage server   
Answers:   
a.   
storage drive   
Correctb.   
storage server (!)   
c.   
storage client   
d.   
storage base

In reaction to scandals, Congress passed the Sarbanes-Oxley Act of 2002, which includes provisions to require \_\_\_\_ to personally vouch for the truth and fairness of their company's disclosures. Selected Answer:   
Incorrecta.   
CEOs and CIOs   
Answers:   
a.   
CEOs and CIOs   
b.   
CCVs and DRMs   
Correctc.   
CEOs and CFOs (!)   
d.   
SOAs and DRMs

\_\_\_\_ are utility programs that search for documents and other files on a user's hard drives. Selected Answer:   
Incorrectc.   
Search engines   
Answers:   
Correcta.   
Search tools (!)   
b.   
Tool boxes   
c.   
Search engines   
d.   
Tool programs

Like graphics data, \_\_\_\_—such as a song or the sound of someone speaking—must be in digital form in order to be stored on a storage medium or processed by a PC. Selected Answer:   
Incorrecta.   
pixel data   
Answers:   
a.   
pixel data   
Correctb.   
audio data (!)   
c.   
giga data   
d.   
audio programs

Digital still cameras most often use \_\_\_\_ cards for storage. Selected Answer:   
Incorrecta.   
RAM memory   
Answers:   
a.   
RAM memory   
b.   
ROM memory   
c.   
laser memory   
Correctd.   
flash memory (!)

\_\_\_\_ have begun to replace ROM for storing system information, such as a PC's BIOS. Selected Answer:   
Incorrectb.   
Motherboards   
Answers:   
a.   
Microprocessors   
b.   
Motherboards   
Correctc.   
Flash memory chips (!)   
d.   
Adapter cards

Media that allow random access are sometimes referred to as \_\_\_\_ media. Selected Answer:   
Incorrectc.   
nonidentifiable   
Answers:   
a.   
optical   
Correctb.   
addressable (!)   
c.   
nonidentifiable   
d.   
identifiable

Java is currently one of the most popular programming languages and has replaced \_\_\_\_ as the programming language used for the computer science Advanced Placement exam taken by high school students to earn college credit. Selected Answer:   
Incorrectb.   
BASIC   
Answers:   
a.   
Visual Basic   
b.   
BASIC   
Correctc.   
C++ (!)   
d.   
C

Case-Based Critical Thinking Questions

Case 6-2   
Bryan has just started an internship in which he uses a database frequently. The database contains information about the company's employees. Bryan's supervisor senses that he is anxious about using the database and drops by to give him a short tutorial.

Bryan's supervisor explains that to retrieve information from the database, Bryan needs to use a \_\_\_\_.

Selected Answer:   
Incorrectd.   
formula   
Answers:   
a.   
form   
b.   
presentation   
Correctc.   
query (!)   
d.   
formula

Similar to the way an IP address or domain name uniquely identifies a computer on the Internet, a \_\_\_\_ uniquely identifies a Web page. Selected Answer:   
Incorrecta.   
Web ID (WID)   
Answers:   
a.   
Web ID (WID)   
b.   
universal resource identifier (URI)   
Correctc.   
uniform resource locator (URL) (!)   
d.   
Web resource identifier (WRI)

Case-Based Critical Thinking Questions

Case 12-2

Mother Goose Computing, Inc. provides computational biology consulting services. They are currently updating several of their systems.

For the protein folding division, Mother Goose is planning to implement the new system module by module. This is called a \_\_\_\_ conversion.

Selected Answer:   
Incorrectd.   
pilot   
Answers:   
a.   
direct   
b.   
parallel   
Correctc.   
phased (!)   
d.   
pilot

Copyrights apply to both published and unpublished works and remain in effect until \_\_\_\_. Selected Answer:   
Incorrecta.   
10 years after the creation of the work   
Answers:   
a.   
10 years after the creation of the work   
b.   
70 years after the creation of the work   
c.   
10 years after the creator's death   
Correctd.   
70 years after the creator's death (!)

Case-Based Critical Thinking Questions

Case 10-1

Smith Web Design is creating a secure Web site for a local doctor. In addition to providing basic information about her practice, she wants her patients to be able to log on and access their records, including images such as X-rays and MRIs.

After patients log on, they should be able to download scanned versions of their X-rays and MRIs. These images should be provided in the \_\_\_\_ format.

Selected Answer:   
Incorrectd.   
JPEG   
Answers:   
a.   
GIF   
b.   
BMP   
Correctc.   
TIF (!)   
d.   
JPEG

One of the simplest hashing algorithms involves dividing the primary key field by a particular \_\_\_\_. Selected Answer:   
Correctd.   
prime number   
Answers:   
a.   
irrational number   
b.   
power of two   
c.   
transcendental number   
Correctd.   
prime number (!)

The process of evaluating and correcting the structures of the tables in a database to minimize data redundancy is called \_\_\_\_. Selected Answer:   
Incorrectd.   
cyclic redundancy check   
Answers:   
a.   
zeroing   
Correctb.   
normalization (!)   
c.   
zonification   
d.   
cyclic redundancy check

\_\_\_\_ keys on a keyboard are used for issuing commands in some programs. Selected Answer:   
Incorrectc.   
Alphanumeric   
Answers:   
a.   
Arrow   
Correctb.   
Function (!)   
c.   
Alphanumeric   
d.   
Number

\_\_\_\_ account numbers are essentially disposable credit card numbers that can be used to buy goods and services that will be charged to the customer's regular credit card. Selected Answer:   
Incorrectb.   
Online   
Answers:   
Correcta.   
Virtual (!)   
b.   
Online   
c.   
Temporary   
d.   
Prepaid

When Mary started college, her parents bought her a new computer that came with minimal software. She is now looking into purchasing additional software.

Mary needs word processing software for her classes, but she has to budget her resources carefully this semester. She might consider using \_\_\_\_, which is available as a free download via the Internet.

Selected Answer:   
Correctb.   
OpenOffice   
Answers:   
a.   
WordPerfect Office   
Correctb.   
OpenOffice (!)   
c.   
Microsoft Office   
d.   
SmartSuite. org

In an expert system, the \_\_\_\_ is a software program that applies the rules to the data stored in the knowledge base in order to reach decisions. Selected Answer:   
Incorrectd.   
rules processor   
Answers:   
Correcta.   
inference engine (!)   
b.   
knowledge bus   
c.   
data authority   
d.   
rules processor

There are four basic categories of software: commercial software, shareware, freeware, and \_\_\_\_. Selected Answer:   
Incorrectc.   
licensed software   
Answers:   
Correcta.   
public domain software (!)   
b.   
publish software   
c.   
licensed software   
d.   
advertising software

To prevent individuals from making unauthorized copies of feature films purchased on DVDs or downloaded via the Internet, many of these items contain copy protection or some other form of \_\_\_\_. Selected Answer:   
Incorrectc.   
RSI   
Answers:   
Correcta.   
DRM (!)   
b.   
AACSB   
c.   
RSI   
d.   
patents

\_\_\_ is a new alternative for homes and businesses today in areas where there is fiber optic cabling available all the way to the building.

S

elected Answer:   
Incorrectc.   
DSL   
Answers:   
Correcta.   
BoF (!)   
b.   
ISDN   
c.   
DSL   
d.   
T1

Some wireless \_\_\_\_ are created by cities or large organizations to provide free or low-cost Internet access to residents of a particular area. Selected Answer:   
Incorrectd.   
LANs   
Answers:   
a.   
WANs   
b.   
PANs   
Correctc.   
MANs (!)   
d.   
LANs

\_\_\_\_ software can control which devices can be connected to an employee's computer. Selected Answer:   
Incorrecta.   
Device authentication   
Answers:   
a.   
Device authentication   
Correctb.   
Data-leakage prevention(!)   
c.   
Network quarantine   
d.   
Professional firewall

Phishing schemes may use a technique called \_\_\_\_, which is setting up spoofed Web sites with addresses slightly different from legitimate sites. Selected Answer:   
Incorrectc.   
identity theft   
Answers:   
a.   
DoS attacks   
b.   
spamming   
c.   
identity theft   
Correctd.   
typosquatting (!)

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