Quiz 1 (Ch 1-Ch 4) password:1212

Due Sep 25 at 11:59pm **Points** 10 **Questions** 40
Available Sep 19 at 8am - Sep 25 at 11:59pm **Time Limit** 90 Minutes

Instructions

Quiz 1 (covering the material **from chapter 1 to chapter 4**):

Once you have submitted an answer, you will not be able to change it later. You will not be able to view the previous question.

Please **include the calculations in detail (not just a final number).**

For example, you can write the numbers:

8^2 **as** 8^2

$6 \times 8^2 + 6 \times 8 + 2 + 1/8 = 434.125$ **as** 6 x 8^2+ 6 x 8 + 2+ 1/8 = 434.125

33333210_4 **as** 33333210v4

$3C540000_{16}$ **as** 3C540000v16

The correct answer as a number will not be sufficient. In order to receive the points for each calculation question, you need to show in detail how do you calculate your answer.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	44 minutes	9.25 out of 10 *

* Some questions not yet graded

ⓘ Correct answers are hidden.

Score for this quiz: **9.25** out of 10 *
Submitted Sep 25 at 3:24pm

This attempt took 44 minutes.

Question 1

0.25 / 0.25 pts

Ch 1

Which of the following is not a feature defined in a protocol specification for communication?

- (•) Operating System vendor
- ( ) identification and authentication
- ( ) data representation
- ( ) message format

Question 2

0.25 / 0.25 pts

Ch 1

The word, "virtual," as used in the text, is most synonymous with which word?

- (•) logical
- ( ) notional
- ( ) tangible

- theoretical

Question 3

0.25 / 0.25 pts

Ch 1

The fact that different types of computers can work together, share files, and communicate successfully is known as

- open computing
- supercomputing
- distributed computing
- coupled systems computing

Question 4

0.25 / 0.25 pts

Ch 1

When the computer is started, a bootstrap or IPL (Initial Program Load) begins testing the system. Where is this bootstrap program stored?

- ROM
- RAM
- hard drive
- virtual memory

Question 5

0.25 / 0.25 pts

Ch 1

As a matter of necessity, network interfaces must conform to standard agreements, known as _____ **,** for messages to be understood by both computers during a message exchange between a pair of computers.

- protocol
- I/O servicess
- device controllers
- Ethernet standards

Question 6

0.25 / 0.25 pts

Ch 1

The work performed by an individual computer system within the IT system can be characterized by_____

- (•) input, processing, and output
- ( ) storage processing and output
- ( ) input, storage and output
- ( ) hardware and software

Question 7

0.25 / 0.25 pts

Ch 2

Internet standards such as _____ allow the easy identification of relevant data within data streams between interconnected systems, making these applications possible and practical.

- (•) XML
- ( ) FTP
- ( ) SSH
- ( ) HTTPS

Question 8

0.25 / 0.25 pts

Ch 2

The protocol that makes communication between a Web server and a database application possible is called_____

- (•) Common Gateway Interface
- ( ) SQL
- ( ) HTTP
- ( ) Database Control Language

Question 9

0.25 / 0.25 pts

Ch 2

Because response time is considered an important measure by most Web users, it is often more practical to separate the database and page processing into a third computer system. This is an example of_____

- (•) three-tier architecture

- n-tier architecture
- cluster computing
- multiprocessing

Question 10

0.25 / 0.25 pts

Ch 2

A two-tier architecture simply means that there are _____ computers involved in the service.

- two
- one
- two to five
- two or more

Question 11

0.25 / 0.25 pts

Ch 2

System administration is the ability of a system to_____

- (•) allow configuration, monitoring, and maintaining operation
- ( ) protect data against unauthorized access or modification
- ( ) allow access to information when it is needed
- ( ) handle a growing amount of work

Question 12

0.25 / 0.25 pts

Ch 2

What is **not** part of an abstract description of system architecture?

- (•) physical location of the servers
- ( ) linkages among the components
- ( ) system interconnections
- ( ) system constraints

Question 13

0.25 / 0.25 pts

Ch 2

The division of a system or subsystem into its components and linkages is called_____

- (•) decomposition
- ( ) reconstruction
- ( ) itemization
- ( ) categorization

Question 14

0.25 / 0.25 pts

Ch 2

A large organization’s IT system might have specific programs such as marketing, manufacturing, purchasing, inventory, finance, and accounting. These are considered _____ to the larger IT system.

- (•) subsystems
- ( ) interfaces

- the environment
- super systems

Question 15

0.25 / 0.25 pts

Ch 3

The number point (normally known by the name of the base—for example "decimal point" in base 10)—which divides whole numbers from fractional numbers is called_____

- radix point
- bit point
- fractal point
- division point

Question 16

0.25 / 0.25 pts

Ch 3

The number of different digits, including zero, that exist in the number system is the_____

- (•) base
- ( ) range
- ( ) field
- ( ) parameter

Question 17

0.25 / 0.25 pts

Ch 3

To convert from binary to hexadecimal by grouping, one hexadecimal digit corresponds to how many binary digits?

- (•) four
- ( ) two
- ( ) eight
- ( ) sixteen

Question 18

0.25 / 0.25 pts

Ch 3

The base 16 number system is called_____

- (•) hexadecimal
- ( ) octal
- ( ) fractal
- ( ) nanodecimal

Question 19

0.25 / 0.25 pts

Ch 3

The base 2 number system is called_____

- (•) binary
- ( ) fractal
- ( ) bitly
- ( ) radix

Question 20

0.25 / 0.25 pts

Ch 3

A single digit that can have only one of two values, 0 or 1, is a_____

- (•) bit
- ( ) blip
- ( ) signal
- ( ) character

Question 21

0.25 / 0.25 pts

Ch 3

How many bits are there in one byte?

- (•) 8
- ( ) 1
- ( ) 4
- ( ) 10

Question 22

0.25 / 0.25 pts

Ch 3

The digit with the greatest weight (value) in a number is called the_____

- (•) most significant digit
- ( ) heaviest bit
- ( ) least significant digit
- ( ) radix

Question 23

0.25 / 0.25 pts

Ch 3

The number of different items that can be represented by a given number of digits, *n*, in a particular base, *b*, is given by the formula: equals _____.

- (•) range
- ( ) field

- parameter
- radix

Question 24

0.25 / 0.25 pts

Ch 3

How many bytes does it take to store the binary equivalent of the decimal number 1945?

- 2
- 1
- 4
- 10

Question 25

0.25 / 0.25 pts

Ch 3

How many binary digits does it take to represent the decimal number 2013?

- 11
- 16
- 8
- 2013

Question 26

0.25 / 0.25 pts

Ch 4

Numbers with a fractional portion are called_____

- real
- integers
- Boolean
- enumerated

Question 27

0.25 / 0.25 pts

Ch 4

ZIP files use_____

- (•) lossless algorithms only
- ( ) lossy algorithms only
- ( ) mix of both lossless and lossy algorithms
- ( ) depends on the nature of the data being compressed.

Question 28

0.25 / 0.25 pts

Ch 4

Video format is determined by an encoder/decoder algorithm known as a_____

- (•) codec
- ( ) modifier
- ( ) converter
- ( ) transformer

Question 29

0.25 / 0.25 pts

Ch 4

Increasing or decreasing the number of pixels per inch changes the_____

- (•) resolution
- ( ) codec
- ( ) color depth
- ( ) amplitude

Question 30

0.25 / 0.25 pts

Ch 4

The individual elements that form a bitmap image are called_____

- (•) pixels
- ( ) palettes
- ( ) grid bits

- resolution

Question 31

0.25 / 0.25 pts

Ch 4

Images that are defined mathematically as geometrically definable shapes that can be easily moved around, scaled, and rotated without losing their shape and identity are known as_____

- vector images
- GIF images
- raster images
- bitmap images

Question 32

0.25 / 0.25 pts

Ch 4

Image files that store each individual point within the image are_____

- bitmap images

- object images
- vector images
- glyphs

Question 33

0.25 / 0.25 pts

Ch 4

The order of the alphanumeric codes in the representation table, which will determine how data is sorted, is known as_____

- collating sequence
- metadata
- scan code
- control code

Question 34

0.25 / 0.25 pts

Ch 4

Characters used to control the position of the output on the screen or paper, to cause some action to occur, such as ringing a bell or deleting a character, or to communicate status between the computer and an I/O device are called_____

- control characters
- glyphs
- symbols
- command characters

Question 35

0.25 / 0.25 pts

Ch 4

When recording sound, the data that describes how long a time period each captured sound measurement represents is known as the_____

- sampling rate
- amplitude
- WAVE

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Question 36

Not yet graded / 0.25 pts

Convert 13754_8

to base 10.

Your answer:

(**The correct answer as a number will not be sufficient. In order to receive the points for each calculation question, you need to show the detailed calculation of your answer).**

Your Answer:

Ans - (1*8^4)+(3*8^3)+(7*8^2)+(5+8^1)+(4*8^0)
=6124

Question 37

Not yet graded / 0.25 pts

Convert 3193_{10}

to binary.

Your answer:

(**The correct answer as a number will not be sufficient. In order to receive the points for each calculation question, you need to show the detailed calculation of your answer).**

Your Answer:

Ans- 3193 / 2 = 1596 with rem 1
1596 / 2 = 798 with rem 0
798 / 2 = 399 with rem 0
399 / 2 = 199 with rem 1
199 / 2 = 99 with rem1
99 / 2 = 49 with rem 1
49 / 2 = 24 with rem 1
24 / 2 = 12 with rem 0
12 / 2 = 6 with rem 0
6 / 2 = 3 with rem 0
3 / 2 = 1 with rem 1
1 / 2 = 0 with rem1
(110001111001)v2

Question 38

Not yet graded / 0.25 pts

Using the power of each digit in base 8 convert the decimal number 6026 to octal.

Your Answer:

(**The correct answer as a number will not be sufficient. In order to receive the points for each calculation question, you need to show the detailed calculation of your answer).**

Your Answer:

Ans - 6026 / 8 = 753 with rem 2
753 / 8 = 94 with rem 1
94 / 8 = 11 with rem 6
11 / 8 = 1 with rem 3
1 / 8 = 0 with rem 1

(13612)v8

Question 39

0.25 / 0.25 pts

Ch 4

Which of the following is NOT one of the common alphanumeric codes?

- Ordinal

- Unicode
- ASCII
- EBCDIC

Question 40

0.25 / 0.25 pts

Ch 4

Input from a device that represents a continuous range of data is known as_____

- analog data
- metadata
- various data
- discrete data

Quiz Score: **9.25** out of 10