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Homework 1 Quiz

Started on Wednesday, 10 July 2019, 10:02 PM

State Finished

Completed on Wednesday, 10 July 2019, 10:20 PM

Time taken 18 mins 3 secs

Grade **54.00** out of 54.00 (**100%**)

Question 1

Correct

Mark 1.00 out of 1.00

A binary bit stores a (n) _____ or a (n) _____.

Select one:

- ☐ a. on or off
- ☐ b. 1 or 2
- ☒ c. 1 or 0 ✓
- ☐ d. 2 or 0

The correct answer is: 1 or 0

Question 2

Correct

Mark 1.00 out of 1.00

A computer G (pronounced gig) is equal to _____ M bytes.

Select one:

- ☐ a. 999
- ☐ b. 1023
- ☒ c. 1024 ✓
- ☐ d. 1000

The correct answer is: 1024

Question 3

Correct

Mark 1.00 out of 1.00

A computer K (pronounced kay) is equal to _____ bytes.

Select one:

- ☒ a. 1024 ✓
- ☐ b. 999
- ☐ c. 1000
- ☐ d. 1023

The correct answer is: 1024

Question 4

Correct

Mark 1.00 out of 1.00

A computer M (pronounced meg) is equal to _____ K bytes.

Select one:

- ☐ a. 999
- ☐ b. 1000
- ☐ c. 1023
- ☒ d. 1024 ✓

The correct answer is: 1024

Question 5

Correct

Mark 1.00 out of 1.00

A computer P (pronounced peta) is equal to _____ T bytes.

Select one:

- ☐ a. 1023
- ☒ b. 1024 ✓
- ☐ c. 999
- ☐ d. 1000

The correct answer is: 1024

Question 6

Correct

Mark 1.00 out of 1.00

Convert the following binary numbers into decimal: 101011.0101

Select one:

- ☒ a. 43.3125 ✓
- ☐ b. 43.1875
- ☐ c. 43.25
- ☐ d. 43.0625

The correct answer is: 43.3125

Question 7

Correct

Mark 1.00 out of 1.00

Convert the following binary numbers into decimal: 1101.01

Select one:

- ☒ a. 13.25 ✓
- ☐ b. 12.25
- ☐ c. 13.50
- ☐ d. 13.1875

The correct answer is: 13.25

Question 8

Correct

Mark 1.00 out of 1.00

Convert the following binary numbers into decimal: 111.0001

Select one:

- ☐ a. 7.1625
- ☐ b. 7.1875
- ☐ c. 7.25
- ☒ d. 7.0625 ✓

The correct answer is: 7.0625

Question 9

Correct

Mark 1.00 out of 1.00

Convert the following binary numbers into decimal: 111001.0011

Select one:

- ☐ a. 57.25
- ☒ b. 57.1875 ✓
- ☐ c. 57.3125
- ☐ d. 57.0625

The correct answer is: 57.1875

Question 10

Correct

Mark 1.00 out of 1.00

Convert the following binary numbers to the one's complement form:
0101 1010

Select one:

- ☐ a. 1010 0111
- ☒ b. 1010 0101 ✓
- ☐ c. 0110 1000
- ☐ d. 1111 0110

The correct answer is: 1010 0101

Question 11

Correct

Mark 1.00 out of 1.00

Convert the following binary numbers to the one's complement form:
0111 0111

Select one:

- ☐ a. 1001 0111
- ☒ b. 1000 1000 ✓
- ☐ c. 1000 1001
- ☐ d. 0111 0111

The correct answer is: 1000 1000

Question 12

Correct

Mark 1.00 out of 1.00

Convert the following binary numbers to the one's complement form:
1000 0000

Select one:

- ☐ a. 0011 1111
- ☐ b. 0111 1101
- ☐ c. 0111 1001
- ☒ d. 0111 1111 ✓

The correct answer is: 0111 1111

Question 13

Correct

Mark 1.00 out of 1.00

Convert the following binary numbers to the one's complement form:
1000 1000

Select one:

- ☐ a. 0101 1100
- ☐ b. 1100 1010
- ☒ c. 0111 0111 ✓
- ☐ d. 1011 1111

The correct answer is: 0111 0111

Question 14

Correct

Mark 1.00 out of 1.00

Convert the following binary numbers to the two's complement form:
1000 0000

Select one:

- ☐ a. 0111 1111
- ☐ b. 1000 0001
- ☒ c. 1000 0000 ✓
- ☐ d. 0111 1110

The correct answer is: 1000 0000

Question 15

Correct

Mark 1.00 out of 1.00

Convert the following binary numbers to the two's complement form:
1000 0001

Select one:

- ☐ a. 0111 1110
- ☐ b. 0111 0111
- ☒ c. 0111 1111 ✓
- ☐ d. 0110 1101

The correct answer is: 0111 1111

Question 16

Correct

Mark 1.00 out of 1.00

Convert the following binary numbers to the two's complement form:
1010 1100

Select one:

- ☒ a. 0101 0100 ✓
- ☐ b. 0101 0101
- ☐ c. 0101 0110
- ☐ d. 0101 1000

The correct answer is: 0101 0100

Question 17

Correct

Mark 1.00 out of 1.00

Convert the following binary numbers to the two's complement form:
1010 1111

Select one:

- ☐ a. 0101 0011
- ☐ b. 0101 0010
- ☐ c. 0101 0000
- ☒ d. 0101 0001 ✓

The correct answer is: 0101 0001

Question 18

Correct

Mark 1.00 out of 1.00

Convert the following binary-coded hexadecimal numbers into hexadecimal: 0001 0000 1111 1101

Select one:

- ☐ a. 13CD
- ☐ b. FD10
- ☐ c. 11DF
- ☒ d. 10FD ✓

The correct answer is: 10FD

Question 19

Correct

Mark 1.00 out of 1.00

Convert the following binary-coded hexadecimal numbers into hexadecimal: 0001 0000

Select one:

- ☒ a. 10 ✓
- ☐ b. 20
- ☐ c. 00
- ☐ d. 12

The correct answer is: 10

Question 20

Correct

Mark 1.00 out of 1.00

Convert the following binary-coded hexadecimal numbers into hexadecimal: 1000 1011 1010

Select one:

- ☐ a. AA3
- ☐ b. 8C4
- ☒ c. 8BA ✓
- ☐ d. 6B3

The correct answer is: 8BA

Question 21

Correct

Mark 1.00 out of 1.00

Convert the following binary-coded hexadecimal numbers into hexadecimal: 1011 1100

Select one:

- ☐ a. AC
- ☐ b. CB
- ☐ c. BA
- ☒ d. BC ✓

The correct answer is: BC

Question 22

Correct

Mark 1.00 out of 1.00

Convert the following binary-coded hexadecimal numbers into hexadecimal: 1100 0010

Select one:

- ☒ a. C2 ✓
- ☐ b. 2C
- ☐ c. A5
- ☐ d. DF

The correct answer is: C2

Question 23

Correct

Mark 1.00 out of 1.00

Convert the following decimal integer into binary: 8

Select one:

- ☒ a. 1000 ✓
- ☐ b. 0111
- ☐ c. 1001
- ☐ d. None of the Above

The correct answer is: 1000

Question 24

Correct

Mark 1.00 out of 1.00

Convert the following decimal integer into hexadecimal: 185

Select one:

- ☐ a. B8
- ☐ b. A9
- ☐ c. None of the Above
- ☒ d. B9 ✓

The correct answer is: B9

Question 25

Correct

Mark 1.00 out of 1.00

Convert the following decimal integer into octal: 56

Select one:

- ☒ a. 70 ✓
- ☐ b. 56
- ☐ c. None of the Above
- ☐ d. 45

The correct answer is: 70

Question 26

Correct

Mark 1.00 out of 1.00

Convert the following decimal numbers into binary: 0.625

Select one:

- ☐ a. 0.1111
- ☒ b. 0.101 ✓
- ☐ c. 0.10100001
- ☐ d. 0.1111

The correct answer is: 0.101

Question 27

Correct

Mark 1.00 out of 1.00

Convert the following decimal numbers into hexadecimal: 0.75

Select one:

- ☐ a. 0.A1
- ☐ b. 0.A
- ☒ c. 0.C ✓
- ☐ d. 0.F

The correct answer is: 0.C

Question 28

Correct

Mark 1.00 out of 1.00

Convert the following decimal numbers into octal: 0.00390625

Select one:

- ☐ a. 0.6
- ☒ b. 0.002 ✓
- ☐ c. 0.5
- ☐ d. 0.502

The correct answer is: 0.002

Question 29

Correct

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into binary-coded hexadecimal code (BCH): 23

Select one:

- ☒ a. 0010 0011 ✓
- ☐ b. 1101 0100
- ☐ c. 0010 0100
- ☐ d. 0011 0010

The correct answer is: 0010 0011

Question 30

Correct

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into binary-coded hexadecimal code (BCH): AD4

Select one:

- ☐ a. 1101 0100 0010
- ☐ b. 0011 0010 0011
- ☒ c. 1010 1101 0100 ✓
- ☐ d. 0010 0011 1101

The correct answer is: 1010 1101 0100

Question 31

Correct

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into binary-coded hexadecimal code (BCH): 34.AD

Select one:

- ☐ a. 0010 0100. 0011 0100
- ☒ b. 0011 0100. 1010 1101 ✓
- ☐ c. 0010 0011. 0010 0100
- ☐ d. 1101 0100. 0010 0011

The correct answer is: 0011 0100. 1010 1101

Question 32

Correct

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into binary-coded hexadecimal code (BCH): BD32

Select one:

- ☐ a. 0010 0100 1010 0110
- ☐ b. 0011 0010 0010 0100
- ☐ c. 0010 0011 0011 0010
- ☒ d. 1011 1101 0011 0010 ✓

The correct answer is: 1011 1101 0011 0010

Question 33

Correct

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into binary-coded hexadecimal code (BCH): 234.3

Select one:

- ☐ a. 0010 0100. 1000
- ☒ b. 0010 0011 0100. 0011 ✓
- ☐ c. 0010 0011. 0011
- ☐ d. 0011 0010. 0110

The correct answer is: 0010 0011 0100. 0011

Question 34

Correct

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into decimal: 129.C

Select one:

- ☐ a. 297.859375
- ☐ b. 297.1875
- ☒ c. 297.75 ✓
- ☐ d. 297.89375

The correct answer is: 297.75

Question 35

Correct

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into decimal: A3.3

Select one:

- ☐ a. 163.75
- ☒ b. 163.1875 ✓
- ☐ c. 163.05078125
- ☐ d. 163.89375

The correct answer is: 163.1875

Question 36

Correct

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into decimal: AC.DC

Select one:

- ☐ a. 172.05078125
- ☐ b. 172.75
- ☐ c. 172.1875
- ☒ d. 172.859375 ✓

The correct answer is: 172.859375

Question 37

Correct

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into decimal: BB8.0D

Select one:

- ☒ a. 3000.05078125 ✓
- ☐ b. 3000.75
- ☐ c. 3000.90625
- ☐ d. 3000.859375

The correct answer is: 3000.05078125

Question 38

Correct

Mark 1.00 out of 1.00

Convert the following hexadecimal numbers into decimal: FAB.3

Select one:

- ☐ a. 4011.05078125
- ☐ b. 4011.89375
- ☐ c. 4011.75
- ☒ d. 4011.1875 ✓

The correct answer is: 4011.1875

Question 39

Correct

Mark 1.00 out of 1.00

Convert the following octal numbers into decimal: 12.3

Select one:

- ☐ a. 18.109375
- ☐ b. 18.578125
- ☒ c. 18.375 ✓
- ☐ d. 18.90625

The correct answer is: 18.375

Question 40

Correct

Mark 1.00 out of 1.00

Convert the following octal numbers into decimal: 123.45

Select one:

- ☐ a. 83. 375
- ☒ b. 83.578125 ✓
- ☐ c. 83.109375
- ☐ d. 83.90625

The correct answer is: 83.578125

Question 41

Correct

Mark 1.00 out of 1.00

Convert the following octal numbers into decimal: 234.5

Select one:

- ☐ a. 156.578125
- ☐ b. 156.375
- ☐ c. 156.90625
- ☒ d. 156.625 ✓

The correct answer is: 156.625

Question 42

Correct

Mark 1.00 out of 1.00

Convert the following octal numbers into decimal: 72.72

Select one:

- ☐ a. 58.375
- ☒ b. 58.90625 ✓
- ☐ c. 58.109375
- ☐ d. 58.578125

The correct answer is: 58.90625

Question 43

Correct

Mark 1.00 out of 1.00

Convert the following octal numbers into decimal: 7767.07

Select one:

- ☐ a. 4087.375
- ☒ b. 4087.109375 ✓
- ☐ c. 4087.90625
- ☐ d. 4087.578125

The correct answer is: 4087.109375

Question 44

Correct

Mark 1.00 out of 1.00

How large is the Windows application programming area?

Select one:

- ☐ a. 2G
- ☐ b. 3G for 32-bit mode
- ☐ c. 8G for 64-bit mode
- ☒ d. All of the above ✓

The correct answer is: All of the above

Question 45

Correct

Mark 1.00 out of 1.00

How many typewritten pages of information are stored in a 4G-byte memory?

Select one:

- ☐ a. 9,999,999
- ☐ b. 999,999
- ☐ c. 1,000,001
- ☒ d. 1,000,000 ✓

The correct answer is: 1,000,000

Question 46

Correct

Mark 1.00 out of 1.00

How much memory is found in the DOS transient program area?

Select one:

- ☐ a. 256 K
- ☐ b. 1 M
- ☐ c. 512 K
- ☒ d. 640 K ✓

The correct answer is: 640 K

Question 47

Correct

Mark 1.00 out of 1.00

How much memory is found in the Windows systems area?

Select one:

- ☒ a. 1 G ✓
- ☐ b. 128 M
- ☐ c. 512 M
- ☐ d. 256 M

The correct answer is: 1 G

Question 48

Correct

Mark 1.00 out of 1.00

Memory above the first 1 M byte is called _____ memory.

Select one:

- ☐ a. User memory
- ☐ b. Protected memory
- ☐ c. Extended memory
- ☒ d. B and C ✓

The correct answer is: B and C

Question 49

Correct

Mark 1.00 out of 1.00

The 8086 microprocessor addresses _____ bytes of memory.

Select one:

- ☐ a. 2 M
- ☒ b. 1 M ✓
- ☐ c. 512 K
- ☐ d. 256 K

The correct answer is: 1 M

Question 50

Correct

Mark 1.00 out of 1.00

The Core 2 microprocessor addresses _____ bytes of memory.

Select one:

- ☐ a. 2 T byte using a 40-bit address
- ☒ b. 1 T byte using a 40-bit address ✓
- ☐ c. 1.5 T byte using a 40-bit address
- ☐ d. 512 G byte using a 40-bit address

The correct answer is: 1 T byte using a 40-bit address

Question 51

Correct

Mark 1.00 out of 1.00

The first 1M byte of memory in a DOS-based computer system contains a (n) _____ and a (n) _____ area

Select one:

- ☐ a. system area and extended memory area
- ☐ b. protected memory and transient program
- ☒ c. system area and transient program ✓
- ☐ d. extended memory and protected memory

The correct answer is: system area and transient program

Question 52

Correct

Mark 1.00 out of 1.00

What is DOS?

Select one:

- ☐ a. An early operating system
- ☐ b. Disk Operating System
- ☒ c. A and B ✓
- ☐ d. None of the Above

The correct answer is: A and B

Question 53

Correct

Mark 1.00 out of 1.00

What is the system BIOS?

Select one:

- ☒ a. Basic I/O System ✓
- ☐ b. Basic Integrated Operating System
- ☐ c. Basic Input Operating System
- ☐ d. None of the above

The correct answer is: Basic I/O System

Question 54

Correct

Mark 1.00 out of 1.00

Which microprocessors address 4G bytes of memory?

Select one:

- ☐ a. 80386, 80486
- ☐ b. Pentium, Pentium Pro
- ☐ c. PII, PIII, P4, and Core 2
- ☒ d. All of the above ✓

The correct answer is: All of the above

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