QUIZ

Started on	Saturday, 10 February 2024, 5:02 PM
State	Finished
Completed on	Saturday, 10 February 2024, 5:06 PM
Time taken	3 mins 47 secs
Grade	**15.00** out of 15.00 (**100**%)

Question 1

Correct

Mark 1.00 out of 1.00

In general, Arduino sketch consists of two functions. What are they?

- ○ a.   setup() and build()
- ◉ b.   setup() and loop() ✔
- ○ c.   loop(), build(), and setup()
- ○ d.   build() and loop()

Question 2

Correct

Mark 1.00 out of 1.00

To subtract 1 from a variable counter, you can use the following statement(s):
(check all that apply)

- ☑ a.   --counter; ✔
- ☐ b.   decrement(counter);
- ☑ c.   counter--; ✔
- ☐ d.   counter - 1;
- ☑ e.   counter -= 1; ✔
- ☑ f.   counter = counter - 1; ✔

Question 3

Correct

Mark 1.00 out of 1.00

Do Arduino provide IDE Environment?

- ◉ a.   True ✔
- ○ b.   False

Question 4

Correct

Mark 1.00 out of 1.00

What does this line of code do? counter++;

- ○ a.   Returns true if the variable counter has a positive value
- ◉ b.   Adds 1 to the variable counter ✔
- ○ c.   Increment counter by an amount that depends on its definition
- ○ d.   This is not a legal statement in the Arduino language
- ○ e.   All answers are wrong

Question 5

Correct

Mark 1.00 out of 1.00

How many digital pins are there on the Arduino UNO board?

- ○ a.   20
- ○ b.   16
- ○ c.   12
- ◉ d.   14 ✔

Question 6

Correct

Mark 1.00 out of 1.00

Is there anything wrong with this line of code, if yes, what? if(myVar = true) Serial.println("The light is ON");

- ○ a.   There is nothing wrong
- ◉ b.   The = should be == ✔
- ○ c.   An if statement must use braces
- ○ d.   There needs to be a space after the if keyword
- ○ e.   The line has invalid syntax, and will produce a compiler error

Question 7

Correct

Mark 1.00 out of 1.00

Which is the software or a programming language used for controlling Arduino?

○ a.   Assembly language

○ b.   Java

○ c.   C language

◉ d.   All answers are correct ✔

Question 8

Correct

Mark 1.00 out of 1.00

Arduino shields are also called as _____

◉ a.   Add-on modules ✔

○ b.   Another Arduinos

○ c.   Extra peripherals

○ d.   Connectivity modules

Question 9

Correct

Mark 1.00 out of 1.00

What is the value of foo when these lines of code are executed?   foo = 12; foo = foo % 10;

○ a.   All answers are wrong

◉ b.   2 ✔

○ c.   1.2

○ d.   1

Question 10

Correct

Mark 1.00 out of 1.00

What is the index of the letter F in this array?   char textMessage[] = "Have Fun with Arduino";

- a.   5 ✔
- b.   4
- c.   6
- d.   &textMessage+5
- e.   'F'

Question 11

Correct

Mark 1.00 out of 1.00

The "Arduino language" is best described as ... ?

- a.   Similar to Java
- b.   C with additional library functions
- c.   A special purpose language designed for beginning programmers
- d.   A subset of C#
- e.   A subset of standard C++ ✔

Question 12

Correct

Mark 1.00 out of 1.00

What does p refer to in ATmega328p?

- a.   Power-Pico
- b.   Production
- c.   Pico-Power ✔
- d.   Programmable on chip
- e.   Programmable on chip

Question 13

Correct

Mark 1.00 out of 1.00

What is the microcontroller used in Arduino UNO?

    ○ a.   ATmega2560

    ○ b.   AT91SAM3x8E

    ○ c.   ATmega32114

    ◉ d.   ATmega328p ✔

Question 14

Correct

Mark 1.00 out of 1.00

What is the range of numbers you can store in a variable of type byte?

    ◉ a.   0 to 255 ✔

    ○ b.   0 to 4294967295

    ○ c.   0 to 65535

    ○ d.   0 to F

    ○ e.   0 to 9

    ○ f.   -128 to 127

Question 15

Correct

Mark 1.00 out of 1.00

_____ are pre built circuit boards that fit on top of Android.

    ○ a.   Breadboards

    ○ b.   Data types

    ○ c.   Sensors

    ◉ d.   Shields ✔