

### Computer Engineering



Western Technical-Commercial School

Date:

Name:

Section:

#### **Arduino Programming Basics Summary Review Questions**

Mark Breakdown Column

Q# A

Fill in the information on Arduino and programming, using the mark breakdown with ½ mark for short answers and 1 mark for detailed explanation. It is not necessary to answer with the question/topic in the answer. Answers can be found in Arduino Prog. Language & Prog. and syntax resource documents.

Q#	Α	1	Describe the start of Arduine (history)
1	2	1.	Describe the start of Arduino (history).
2	1		
3	1.5		
4	3.5		
5	2		
6	2.5	2.	The Arduino Language is made up of what?
7	2		
8	3	3.	Arduino libraries are supported by types of languages?
9	1.5		The almost and a support and a specific and a speci
10	1.5		
11	1.5	4.	Who uses Arduino Software/hardware and for what 5 areas?
12	2.5		
13	1		
14	3		
15	1.5		
16	2		
17	2		
18	2		
19	4		
T=	40	5.	Describe 2 advantages of the Arduino Software/hardware?
		6.	What is Arduino IDE?



# Computer Engineering



Western Technical-Commercial School

Name: Date:

Section:

### Arduino Programming Basics Summary Review Questions cont.

		7.	What does the Arduino Compiler do?
Break	ark down umn		
Q#	Α	8.	Name and explain what the two required functions are, needed to
<u>απ</u> 1	2		communicate to the Arduino board?
<u>-</u> 2	1		
	1.5		
3 4	3.5		
	2		
5 6	2.5		
7	2	Q	What is the code syntax #define and give an example?
8	3	٦.	what is the code syntax #define and give an example:
9	1.5		
10	1.5		
11	1.5	10	. What is the code syntax #include and give an example?
12	2.5		0
13	1		
14	3		
15	1.5	11	What are block comments, and give an example:
16	2		
17	2		
18	2		
19	4	12	.How many data types (variables) and what are the 4 most common?
T=	40		
		13	3. What is the difference between local vs a global variable?
		14	I.What are the different arithmetic and comparison functions that can be used in an Arduino:



## Computer Engineering



Western Technical-Commercial School

Date:

Section:

### Arduino Programming Basics Summary Review Questions cont.

		15.	Describe what a pin mode declaration is and give an example.
Break	ark down umn		
Q#	Α		
1	2		
2	1	16.	What does the digital read vs write pin control do on the Arduino Uno, their
3	1.5		
4	3.5		voltage, and number available?
5	2		
5 6 7	2.5		
	2		
8 9	3	17	NA/hat do as the application of the control of an the Andrine Line DIA/AA
9	1.5	17.	What does the analog read vs write pin control do on the Arduino Uno, PWM
10	1.5		control, and how many are there?
11	1.5		
12	2.5		
13	1		
14	3		
15	1.5		
16	2		
17	2	10	Name and describe 2 branch/redirect statements?
18	2	10.	
19	4		
T=	40		
		19.	What are control statements in general and name, describe three of them?