Introduction to IoT English 1120 dm

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Marks	22.00/31.00
Grade	**70.97** out of 100.00

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Question 1
Correct
Mark 2.00 out of 2.00
⚑ Flag question

What is the output when the following code is entered into a Python program interpreter?

[1,2,4,5] + [3,6]

Select one:
- ○ [21]
- ◉ [1,2,4,5,3,6] ✔
- ○ [12]+[9]
- ○ [1,2,3,4,5,6]

Refer to curriculum topic: 2.1.3
The Python interpreter performs concatenation of two lists without reordering the list elements

The correct answer is: [1,2,4,5,3,6]

Question 2
Correct
Mark 2.00 out of 2.00
⚑ Flag question

What output is expected when the function that is shown below is entered in a Python program interpreter?

>>>print Cisco 1

Select one:
- ○ Cisco 1
- ◉ "SyntaxError: Missing parentheses in call to 'print'" ✔
- ○ Cisco1
- ○ cisco 1

Refer to curriculum topic: 2.1.3
It will display "SyntaxError:Missng parenthesis in call to "Print'" and futhermore the name 'cisco 1' is not defined.

The correct answer is: "SyntaxError: Missing parentheses in call to 'print'"

Question 3
Correct
Mark 2.00 out of 2.00
⚑ Flag question

What are two resources that could help someone learn to program? (Choose two.)

Select one or more:
- ☑ Code Academy ✔
- ☐ Kickstarter
- ☐ Maker Media
- ☑ Khan Academy ✔
- ☐ Quirky

Refer to curriculum topic: 2.2.2
There are many resources that help with learning to program. Some resources include the following: Code Academy, Khan Academy, Blockly, and MIT OpenCourseWare (OCW).

The correct answers are: Code Academy, Khan Academy

Question 4
Incorrect
Mark 0.00 out of 3.00
⚑ Flag question

A student has a digitized version of an idea for a product. What machine can the student use to turn the idea into a solid object?

Select one:
- ◉ Packet Tracer ✖
- ○ Beaglebone‹
- ○ Raspberry Pi
- ○ Arduino‹
- ○ 3D printer

Refer to curriculum topic: 2.2.2

A 3D printer has the capability of producing a solid object. There are also low technology options, such as LEGO Mindstorms, that may work for creating a physical rendition of a prototype. Arduino, Beaglebone, and Raspberry Pi are computing platforms. Packet Tracer is a networking simulation tool.

The correct answer is: 3D printer

Question 5

Correct

Mark 2.00 out of 2.00

⚑ Flag question

What is displayed after the following code is entered into a Python interpreter?

```
addition = 22 +10
print(addition)
```

Select one:

- ○ (syntaxerror)-...as there should not be a space between the numerical values
- ○ 32 ✔
- ○ [22]+[10]
- ○ nothing (because the print command is wrong)

Refer to curriculum topic: 2.1.3
The Python interpreter will perform the operation and display the result, 32.

The correct answer is: 32

Question 6

Incorrect

Mark 0.00 out of 2.00

⚑ Flag question

Which platform is a low cost, credit-card-sized computer?

Select one:

- ○ Blockly
- ○ Arduino
- ○ Raspberry Pi
- ○ PL-App ✘

Refer to curriculum topic: 2.2.2
The Raspberry Pi is a low cost, credit-card-sized computer that is programmed using Python. The Arduino is an open-source low power physical computing platform used to control devices. The PL-App provides a web-based environment used to access the Raspberry Pi. Blockly is a visual programming tool for beginners.

The correct answer is: Raspberry Pi

Question 7

Correct

Mark 2.00 out of 2.00

⚑ Flag question

Which Python programming function is used to display output?

Select one:

- ○ if
- ○ while
- ○ for
- ○ print ✔

Refer to curriculum topic: 2.1.3
Print is used to display output in a Python programing language interpreter.

The correct answer is: print

Question 8

Correct

Mark 2.00 out of 2.00

⚑ Flag question

What is Blockly?
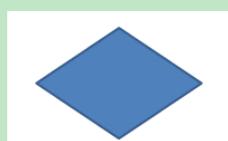
Select one:

- ○ a network simulation program
- ○ a low-cost credit-card-sized computer
- ○ a programming tool for beginners ✔
- ○ a non-profit educational website

Refer to curriculum topic: 2.1.2
No prior programming knowledge or code is needed to start programming with Blockly.

The correct answer is: a programming tool for beginners

Question 9

Correct

Mark 2.00 out of 2.00

⚑ Flag question

Refer to the exhibit. What does the exhibited flow chart symbol commonly represent?

Select one:

- ○ data

○ termination

○ decision ✔

○ connector

Question 10

Correct

Mark 2.00 out of 2.00

⚑ Flag question

How is a new variable created in Blockly?

Select one:

○ Declare the variable in a Dim statement.

○ Determine the type of variable needed, then scroll to the appropriate place in the code to insert the variable.

○ Drag the variable block onto the work space area. ✔

○ Use the assignment operator

Question 11

Correct

Mark 2.00 out of 2.00

⚑ Flag question

What is used to illustrate how a given process will run?
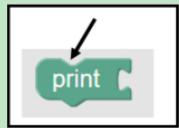
Select one:

○ graph

○ pie chart

○ Packet Tracer

○ flow chart ✔

Question 12

Incorrect

Mark 0.00 out of 2.00

⚑ Flag question

Refer to the exhibit. A specific Blockly block has a slot on the top. What is the purpose of this slot?

Select one:

○ The block is a variable.

○ The slot allows a block with a bevel tab on the bottom to be connected above the block shown.

○ A block with a printer name is required to be attached above the block shown. ✘

○ This block is the topmost block.

Question 13

Correct

Mark 2.00 out of 2.00

⚑ Flag question

What is one way to pay for prototyping?

Select one:

○ mortgage

○ crowd funding ✔

○ incorporate

○ easy pay

Question 14

Correct

Mark 2.00 out of

2.00

⚑ Flag
question

Refer to the exhibit. What does the exhibited flow chart symbol represent?

Select one:
- ○ data
- ◉ process ✔
- ○ preparation
- ○ display

Refer to curriculum topic: 2.1.1
The rectangular symbol represents "Process" in a flow chart.

The correct answer is: process

Question **15**

Incorrect

Mark 0.00 out of
2.00

⚑ Flag
question

Which output would be displayed if the code that is shown below is entered in a Python interpreter?

y = ['yellow', 'red', 'green', 'purple', 'white']
print y

Select one:
- ○ It shows "SyntaxError"
- ○ 'yellow', 'red', 'green', 'purple', 'white'
- ◉ yellow, red, green, purple, white ✘
- ○ y

Refer to curriculum topic: 2.1.3
A syntax error would be printed because the variable to be printed has to be in parenthesis (y).

The correct answer is: It shows "SyntaxError"

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