

Started on	Wednesday, 1 May 2024, 2:36 PM
State	Finished
Completed on	Wednesday, 1 May 2024, 3:03 PM
Time taken	27 mins 31 secs
Marks	20.00/20.00
Grade	100.00 out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

What is the output of the following Python statements?

```
def recurse(a):  
    if (a == 1):  
        print(a)  
    else:  
        recurse(a)  
recurse(1)
```

Select one:

- ☐ a. 0
- ☒ b. 1 ✓
- ☐ c. no output
- ☐ d. RuntimeError: maximum recursion depth exceeded

Your answer is correct.

The correct answer is: 1

Question 2

Correct

Mark 1.00 out of 1.00

Match concepts with their definition!

To join two operands end-to-end.

concatenate



What the Python interpreter does to an expression to find its value.

evaluate



A combination of variables, operators, and values that represents a single result value.

expression



A reserved word that is used by the interpreter to parse programs.

keyword



A special symbol that represents a simple computation like addition, multiplication, or string concatenation.

operator



A unit of code that the Python interpreter can execute.

statement



A name that refers to a value.

variable



The correct answer is: To join two operands end-to-end. → concatenate, What the Python interpreter does to an expression to find its value. → evaluate, A combination of variables, operators, and values that represents a single result value. → expression, A reserved word that is used by the interpreter to parse programs. → keyword, A special symbol that represents a simple computation like addition, multiplication, or string concatenation. → operator, A unit of code that the Python interpreter can execute. → statement, A name that refers to a value. → variable

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following is an **invalid** Python assignment statement?

Select one:

- ☐ a. `a = b = 123`
- ☒ b. `'3' = 3` ✓
- ☐ c. `x = int("123")`
- ☐ d. `y = None`
- ☐ e. `z = "hi" * 10`

Your answer is correct.

The correct answer is: `'3' = 3`

Question 4

Correct

Mark 1.00 out of 1.00

When a Python function is called, inside the function, the arguments are assigned to variables called **parameters**.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 5

Correct

Mark 1.00 out of 1.00

What output will the following Python 3 statement produce?

```
>>> print(1,000,000)
```

Select one:

- ☐ a. 1.0
- ☐ b. 1,000,000
- ☒ c. 1 0 0 ✓
- ☐ d. Error invalid type

The correct answer is: 1 0 0

Question 6

Correct

Mark 1.00 out of 1.00

When defining a Python function that has no parameters, the parentheses that follow the function's name are optional.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 7

Correct

Mark 1.00 out of 1.00

Match concepts with their definition!

Any one of the languages that people have designed for specific purposes, such as representing mathematical ideas or computer programs; all programming languages are this kind of languages.

formal language



Any one of the languages that people speak that evolved naturally.

natural language



An error that does not occur until the program has started to execute but that prevents the program from continuing.

runtime error



An error in a program that makes it do something other than what the programmer intended.

semantic error



The meaning of a program.

semantics



The structure of a program.

syntax



An error in a program that makes it impossible to parse — and therefore impossible to interpret.

syntax error



One of the basic elements of the syntactic structure of a program, analogous to a word in a natural language.

token



The correct answer is: Any one of the languages that people have designed for specific purposes, such as representing mathematical ideas or computer programs; all programming languages are this kind of languages. → formal language, Any one of the languages that people speak that evolved naturally. → natural language, An error that does not occur until the program has started to execute but that prevents the program from continuing. → runtime error, An error in a program that makes it do something other than what the programmer intended. → semantic error, The meaning of a program. → semantics, The structure of a program. → syntax, An error in a program that makes it impossible to parse — and therefore impossible to interpret. → syntax error, One of the basic elements of the syntactic structure of a program, analogous to a word in a natural language. → token

Question 8

Correct

Mark 1.00 out of 1.00

In Python, the '+' operator can be used with numbers and with strings. What is a property that number addition has, but string concatenation **does not**?

Select one:

- ☐ a. Numeric addition is allowed on right-hand side of assignment statement.
- ☐ b. More than one numeric addition per expression is allowed.
- ☒ c. The expression value does not depend on the order of numeric addition operands. ✓
- ☐ d. Numeric addition is fast to execute.
- ☐ e. Numeric addition needs two operands.

Your answer is correct.

The correct answer is: The expression value does not depend on the order of numeric addition operands.

Question 9

Correct

Mark 1.00 out of 1.00

What output will the following Python statement produce?

```
>>> print (2*3-1)
```

Select one:

- ☐ a. 6
- ☒ b. 5 ✓
- ☐ c. 4
- ☐ d. 3

The correct answer is: 5

Question 10

Correct

Mark 1.00 out of 1.00

If you assign the result of calling a void function to a variable in Python, you get:

Select one:

- ☐ a. an empty string
- ☐ b. the value -1
- ☐ c. the value 0
- ☒ d. the special value None ✓
- ☐ e. an exception

Your answer is correct.

The correct answer is: the special value None

Question 11

Correct

Mark 1.00 out of 1.00

What output will the following Python statements produce?

```
>>> percentage = ( 60.0 * 100.0) / 55.0  
>>> print (percentage)
```

Select one:

- ☐ a. percentage
- ☐ b. 109
- ☒ c. 109.0909090909091 ✓
- ☐ d. 109.0

The correct answer is: 109.0909090909091

Question 12

Correct

Mark 1.00 out of 1.00

Learning to debug can be frustrating, but it is a valuable skill that is useful for many activities beyond programming.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 13

Correct

Mark 1.00 out of 1.00

Consider the following text from a Python interpreter.

```
>>> print(2 + 2)  
4
```

What is the text "+" called?

Select one:

- ☐ a. a function
- ☒ b. an operator ✓
- ☐ c. a prompt
- ☐ d. a statement
- ☐ e. a value

Your answer is correct.

The correct answer is: an operator

Question 14

Correct

Mark 1.00 out of 1.00

Consider the following text from a Python interpreter.

```
>>> print(2 + 2)  
4
```

What is the text "4" called?

Select one:

- ☐ a. a function
- ☐ b. an operator
- ☐ c. a prompt
- ☐ d. a statement
- ☒ e. a value ✓

Your answer is correct.

The correct answer is: a value

Question 15

Correct

Mark 1.00 out of 1.00

What output will the following Python statements produce?

```
>>> n = 17
>>> print (n)
```

Select one:

- ☐ a. 0
- ☐ b. 17.0
- ☐ c. n
- ☒ d. 17 ✓

The correct answer is: 17

Question 16

Correct

Mark 1.00 out of 1.00

The % or modulus operator returns the remainder from dividing two numbers.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 17

Correct

Mark 1.00 out of 1.00

What do we call the value provided to a function when the function is called (which is assigned to the corresponding **parameter** in the function)?

Select one:

- ☒ a. argument ✓
- ☐ b. return value
- ☐ c. method
- ☐ d. the special value None
- ☐ e. global variable

Your answer is correct.

The correct answer is: argument

Question 18

Correct

Mark 1.00 out of 1.00

In Python, the expression `"a**(b**c)"` is the same as `"(a**b)**c"`.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 19

Correct

Mark 1.00 out of 1.00

Programmers generally choose names for their variables that are meaningful and document what the variable is used for.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 20

Correct

Mark 1.00 out of 1.00

Python functions may or may not take arguments and may or may not return a result.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

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State	Finished
Completed on	Tuesday, 30 April 2024, 6:02 AM
Time taken	7 mins 6 secs
Marks	15.00/15.00
Grade	100.00 out of 100.00

Question 1

Correct
Mark 1.00 out of 1.00

Successful students tend to log in and participate in class:

- ☐ a. Once per week
- ☐ b. Twice per week
- ☒ c. At least two to three times per week ✓
- ☐ d. Never

Your answer is correct.
The correct answer is:
At least two to three times per week

Question 2

Correct
Mark 1.00 out of 1.00

Links to the Learning Resource Center (LRC) can be found:

- ☒ a. In the "Resources" drop down menu of Moodle ✓
- ☒ b. In the "Student Toolkit" on the right hand side of Moodle ✓
- ☐ c. In your Textbook
- ☐ d. In your Instructor's Discussion Forum Posts

Your answer is correct.
The correct answers are:
In the "Resources" drop down menu of Moodle,
In the "Student Toolkit" on the right hand side of Moodle

Question 3

Correct

Mark 1.00 out of 1.00

To find the UoPeople code of conduct, students should:

Select one:

- ☒ a. Read the Academic Policies Section of the UoPeople Catalog ✓
- ☐ b. Ask their Academic Advisor
- ☐ c. Ask the course instructor
- ☐ d. Check the syllabus

The correct answer is: Read the Academic Policies Section of the UoPeople Catalog

Question 4

Correct

Mark 1.00 out of 1.00

The course catalog has a lot of very important information in it, and is basically a student's guide to the University. Where can students find a copy of the course catalog to save and refer to regularly?

Select one:

- ☐ a. They should ask their Academic Advisor to email them a copy of the course catalog.
- ☐ b. They should find it in one of their textbooks.
- ☒ c. They should find it on their student home page, (where their courses are listed), under the "Links" tab at the top of the page. ✓
- ☐ d. All of the above.

The correct answer is: They should find it on their student home page, (where their courses are listed), under the "Links" tab at the top of the page.

Question 5

Correct

Mark 1.00 out of 1.00

A list of courses in each degree program can be found in

- ☒ a. The University Catalog ✓
- ☐ b. Your Course Syllabus
- ☐ c. An Email from your Instructor
- ☐ d. Moodle Messenger

Your answer is correct.

The correct answer is:

The University Catalog

Question 6

Correct

Mark 1.00 out of 1.00

To write a successful discussion post, students should:

Select one:

- ☒ a. Use a writing process similar to writing papers ✓
- ☐ b. Use informal, non-academic language
- ☐ c. Only discuss personal experience with the topic
- ☐ d. Ignore citation rules because it's a discussion

The correct answer is: Use a writing process similar to writing papers

Question 7

Correct

Mark 1.00 out of 1.00

In writing, using all capital letters is considered to be:

Select one:

- ☐ a. Enthusiastic
- ☒ b. Screaming ✓
- ☐ c. Amusing
- ☐ d. Whimsical

The correct answer is: Screaming

Question 8

Correct

Mark 1.00 out of 1.00

In Chapter 2 of *College Success*, we learned about Goal Setting. The reading states that goals should be:

- ☐ a. Easy to achieve, realistic, and have a timeframe
- ☒ b. Realistic, have a timeframe, and specific ✓
- ☐ c. Popular with others, specific, and realistic
- ☐ d. East to achieve, popular, and realistic

Your answer is correct.

The correct answer is:

Realistic, have a timeframe, and specific

Question 9

Correct

Mark 1.00 out of 1.00

Replies to peers' discussion forum posts should be:

- ☐ a. At least 100 words
- ☐ b. Move the discussion forward
- ☐ c. Contain both positive comments and suggestions for improvement
- ☒ d. All of the above ✓

Your answer is correct.

The correct answer is:

All of the above

Question 10

Correct

Mark 1.00 out of 1.00

_____ is a platform that we suggest for UNIV students to connect with other new students

- ☐ a. Facebook
- ☐ b. Instagram
- ☒ c. Yammer ✓
- ☐ d. Whats App

Your answer is correct.

The correct answer is:

Yammer

Question 11

Correct

Mark 1.00 out of 1.00

True or False: The Learning Journal is a document that only you and your Instructor can view

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 12

Correct

Mark 1.00 out of 1.00

According to Chapter one of *College Success*, successful students possess these traits:

- ☐ a. They avoid asking questions of their instructors.
- ☒ b. They develop their writing skills ✓
- ☒ c. They stay motivated ✓
- ☐ d. They eat fast food, so that they have more time for studying.

Your answer is correct.

The correct answers are:

They develop their writing skills,

They stay motivated

Question 13

Correct

Mark 1.00 out of 1.00

True or False: According to Chapter 12 of *College Success*, there is a difference between a career and a job.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 14

Correct

Mark 1.00 out of 1.00

True or False: Discussion posts facilitate discussions similar to on-site class discussions.

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question 15

Correct

Mark 1.00 out of 1.00

According to Chapter Two of *College Success* some tips for staying motivated include:

- ☒ a. Planning ahead to avoid last minute pressures ✓
- ☒ b. Keeping a positive attitude ✓
- ☒ c. Keeping your eye on long term goals ✓
- ☐ d. Multi-tasking

Your answer is correct.

The correct answers are:

Planning ahead to avoid last minute pressures,

Keeping a positive attitude,

Keeping your eye on long term goals

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Completed on	Tuesday, 30 April 2024, 12:30 AM
Time taken	19 mins 40 secs
Marks	20.00/20.00
Grade	100.00 out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

In Python, the expression "a**(b**c)" is the same as "(a**b)**c".

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 2

Correct

Mark 1.00 out of 1.00

What output will the following Python statement produce?

```
>>> print ((1+1)**(5-2))
```

Select one:

- ☐ a. 16
- ☒ b. 8 ✓
- ☐ c. 4
- ☐ d. 2

The correct answer is: 8

Question 3

Correct

Mark 1.00 out of 1.00

What do we call the value provided to a function when the function is called (which is assigned to the corresponding **parameter** in the function)?

Select one:

- ☒ a. argument ✓
- ☐ b. return value
- ☐ c. method
- ☐ d. the special value None
- ☐ e. global variable

Your answer is correct.

The correct answer is: argument

Question 4

Correct

Mark 1.00 out of 1.00

Consider the following text from a Python interpreter.

```
>>> print(2 + 2)
4
```

What is the text "+" called?

Select one:

- ☐ a. a function
- ☒ b. an operator ✓
- ☐ c. a prompt
- ☐ d. a statement
- ☐ e. a value

Your answer is correct.

The correct answer is: an operator

Question 5

Correct

Mark 1.00 out of 1.00

What output will the following Python statements produce?

```
>>> percentage = ( 60.0 * 100.0) / 55.0
>>> print (percentage)
```

Select one:

- ☐ a. percentage
- ☐ b. 109
- ☒ c. 109.0909090909091 ✓
- ☐ d. 109.0

The correct answer is: 109.0909090909091

Question 6

Correct

Mark 1.00 out of 1.00

Learning to debug can be frustrating, but it is a valuable skill that is useful for many activities beyond programming.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 7

Correct

Mark 1.00 out of 1.00

Which one of the following Python expressions generates a **syntax error**?

Select one:

- ☐ a. 2 ^ 2
- ☐ b. 2 ** 2
- ☐ c. 2 +- 2
- ☒ d. 2 += 2 ✓
- ☐ e. 2 -+ 2

Your answer is correct.

The correct answer is: 2 += 2

Question 8

Correct

Mark 1.00 out of 1.00

What is the output of the following Python statements?

```
def recurse(a):  
    if (a == 1):  
        print(a)  
    else:  
        recurse(a)  
recurse(1)
```

Select one:

- ☐ a. 0
- ☒ b. 1 ✓
- ☐ c. no output
- ☐ d. RuntimeError: maximum recursion depth exceeded

Your answer is correct.

The correct answer is: 1

Question 9

Correct

Mark 1.00 out of 1.00

What is the output of the following Python 3 statements?

```
x=2  
y=1  
if x == y:  
    print (x, "and", y, "are equal")  
else:  
    if x < y:  
        print (x, "is less than", y)  
    else:  
        print (x, "is greater than", y)
```

Select one:

- ☐ a. 1 and 2 are equal
- ☐ b. 1 is less than 2
- ☐ c. 1 is greater than 2
- ☒ d. 2 is greater than 1 ✓

Your answer is correct.

The correct answer is: 2 is greater than 1

Question 10

Correct

Mark 1.00 out of 1.00

Python functions may or may not take arguments and may or may not return a result.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 11

Correct

Mark 1.00 out of 1.00

Consider the following text from a Python interpreter.

```
>>> print(2 + 2)
4
```

What is the text "print" called?

Select one:

- ☒ a. a function ✓
- ☐ b. an operator
- ☐ c. a prompt
- ☐ d. a statement
- ☐ e. a value

Your answer is correct.

The correct answer is: a function

Question 12

Correct

Mark 1.00 out of 1.00

When defining a Python function that has no parameters, the parentheses that follow the function's name are optional.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 13

Correct

Mark 1.00 out of 1.00

What is the output of the following Python statements?

```
percentage = ( 60 * 100) // 55  
print (percentage)
```

Select one:

- ☐ a. percentage
- ☒ b. 109 ✓
- ☐ c. 109.0909090909091
- ☐ d. 109.0

Your answer is correct.

The correct answer is: 109

Question 14

Correct

Mark 1.00 out of 1.00

What output will the following Python 3 statement produce?

```
>>> print (1,000,000)
```

Select one:

- ☐ a. 1.0
- ☐ b. 1,000,000
- ☒ c. 1 0 0 ✓
- ☐ d. Error invalid type

The correct answer is: 1 0 0

Question 15

Correct

Mark 1.00 out of 1.00

The % or modulus operator returns the remainder from dividing two numbers.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 16

Correct

Mark 1.00 out of 1.00

If you assign the result of calling a void function to a variable in Python, you get:

Select one:

- ☐ a. an empty string
- ☐ b. the value -1
- ☐ c. the value 0
- ☒ d. the special value None ✓
- ☐ e. an exception

Your answer is correct.

The correct answer is: the special value None

Question 17

Correct

Mark 1.00 out of 1.00

Using keywords for variable names will result in a _____

Select one:

- ☐ a. runtime error
- ☐ b. compile error
- ☒ c. syntax error ✓
- ☐ d. semantic error

The correct answer is: syntax error

Question 18

Correct

Mark 1.00 out of 1.00

What output will the following Python statements produce?

```
>>> n = 17
>>> print(n)
```

Select one:

- ☐ a. 0
- ☐ b. 17.0
- ☐ c. n
- ☒ d. 17 ✓

The correct answer is: 17

Question 19

Correct

Mark 1.00 out of 1.00

When a Python function is called, inside the function, the arguments are assigned to variables called **parameters**.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 20

Correct

Mark 1.00 out of 1.00

Match concepts with their definition!

Any one of the languages that people have designed for specific purposes, such as representing mathematical ideas or computer programs; all programming languages are this kind of languages.

formal language

✓

Any one of the languages that people speak that evolved naturally.

natural language

✓

An error that does not occur until the program has started to execute but that prevents the program from continuing.

runtime error

✓

An error in a program that makes it do something other than what the programmer intended.

semantic error

✓

The meaning of a program.

semantics

✓

The structure of a program.

syntax

✓

An error in a program that makes it impossible to parse — and therefore impossible to interpret.

syntax error

✓

One of the basic elements of the syntactic structure of a program, analogous to a word in a natural language.

token

✓

The correct answer is: Any one of the languages that people have designed for specific purposes, such as representing mathematical ideas or computer programs; all programming languages are this kind of languages. → formal language, Any one of the languages that people speak that evolved naturally. → natural language, An error that does not occur until the program has started to execute but that prevents the program from continuing. → runtime error, An error in a program that makes it do something other than what the programmer intended. → semantic error, The meaning of a program. → semantics, The structure of a program. → syntax, An error in a program that makes it impossible to parse — and therefore impossible to interpret. → syntax error, One of the basic elements of the syntactic structure of a program, analogous to a word in a natural language. → token