Module 7: Python Functions Test

Q1) What is the result?

define welcome():

print('Welcome All')

| welcome()

Options:

A. Welcome All

B. All

C. Welcome

D. Error

Solution:

Q2) You are developing a Python application for an online game. You need to create a function that meets the following criteria:

- The function is named update_score
- . The function receives the current score and a value
- The function adds the value to the current score
- The function returns the new score

How should you complete the code?

Option1 Option2

current += value

Option3

Options:

Option1:

A. update_score

B. def update_score

C. return update_score

Option2:

A. (current, value):

B. ():

C.(current, value)

D. ()

Option3:

A. pass current

B. return current

C. return

D. pass

Q3) The ABC company is creating a program that allows customers to log the number of miles biked. The program will send messages based on how many miles the customer logs. You create the following code.

```
01.

02. name = input("what is your name?")

03. return name

04.

05. calories = miles * calories_per_mile

06. return calories

07. distance = int(input('how many miles did you bike this week?'))

08. burn_rate = 50

09. biker = get_name()

10. calories_burned = calc_calories(distance, burn_rate)

11. print(biker, 'you burned about ', calories_burned, 'calories')
```

Which code segments should you use for line 01 and line 04. Select two

Options:

- A. 01. def get_name():
- B. 01. def get_name(name):
- C. 04. def calc_calories():
- D. 04. def calc_calories(miles, calories_per_mile):

Solution:

Q4) What is the result?

Options:

A. 30	B. 0
30	30
C. Error	D. 30

Q5) What is the result?

def welcome(msg="Hello", name):
 print(msg, name)
 welcome(name='Amit', msg='Hi')

Options:

A. Hello Amit

B. Hi Amit

C. Amit

D. Error

Solution:

Q6) What is the result?

Options:

A. hellohello

B. hellohellohello

C. Error

D. hello4

Solution:

Q7) What is the result?

Options:

A. 510

B. 5 5 10

C. 5520

D. Error

Q8) You are writing a function that increments the player score in a game. The function has the following requirements:

- o If no value is specified for points, then points start at one
- o If bonus IS True, then points must be doubled

You write the following code. Line numbers are included for reference only.

```
01 def increment_score(score, bonus, points):
02    if bonus == True:
03        points = points * 2
04        score = score + points
05        return score
06 points = 5
07 score = 10
08 new_score = increment_score(score, True, points)
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Question1:

```
To meet the requirements, line 01 must be changed to the following: def increment_score(score, bonus, points = 1):

A. yes

B. No
```

Question2:

Once any parameter is defined with a default value, any parameters to the right must also be defined with default values.

```
A. yes B. No
```

Question3:

If the function is called with only two parameters, the value of the third parameter will be None.

```
A. yes B. No
```