# Python Test for Beginners A

**Instructions:**

* **Time:** 90 minutes
* **Total Points:** 100 (Theory: 50, Practical: 50)
* **Internet allowed only for the practical part.**

**1. Theoretical Part (50 points)**

**Version A**

**1.** What does 'print("Hello, world!")' do in Python? **(1 point)**  
a) //  
b) #  
c) /\*  
d) --

**2. What is the output of**print(3 \* "a")**? (2 points)**  
a) aaa  
b) 3a  
c) Error  
d) a a a

**3. Which is a valid variable name? (1 point)**  
a) 2var  
b) \_name  
c) var-name  
d) else

**4. What does**range(3)**generate? (2 points)**  
a) [0, 1, 2]  
b) [1, 2, 3]  
c) [3]  
d) [0, 3]

**5. Which loop runs at least once? (3 points)**  
a) for  
b) while  
c) Neither  
d) Both

**6. What is the data type of**3.14**? (1 point)**  
a) int  
b) str  
c) float  
d) bool

**7. Fix the code:**print("Hello World')**(2 points)**  
a) Replace " with '  
b) Add a closing ")  
c) Remove print  
d) Add a semicolon

**8. Which operator checks equality? (1 point)**  
a) =  
b) ==  
c) !=  
d) >=

**9. What is**len([1, 2, 3])**? (1 point)**  
a) 1  
b) 2  
c) 3  
d) 0

**10. Which method adds an item to a list? (2 points)**  
a) .append()  
b) .insert()  
c) .remove()  
d) .pop()

**11. What does**"hello".upper()**return? (1 point)**  
a) HELLO  
b) Hello  
c) hello  
d) Error

**12. What is the output of**print(2 + 3 \* 4)**? (2 points)**  
a) 20  
b) 14  
c) 24  
d) 10

**13. Which is a boolean value? (1 point)**  
a) "True"  
b) 0  
c) False  
d) 1

**14. What does**int("5")**do? (2 points)**  
a) Converts to integer  
b) Converts to string  
c) Causes an error  
d) Returns 5.0

**15. Which keyword defines a function? (1 point)**  
a) func  
b) def  
c) function  
d) void

# Python Test for Beginners B

**1. Which is NOT a Python data type? (1 point)**  
a) tuple  
b) double  
c) dict  
d) list

**2. What is**print(2 \*\* 3)**? (2 points)**  
a) 6  
b) 8  
c) 23  
d) 5

**3. Which list is created by**[x for x in range(4) if x % 2 == 0]**? (3 points)**  
a) [0, 2]  
b) [1, 3]  
c) [0, 1, 2, 3]  
d) [2, 4]

**4. What is the result of**"Python"[1:3]**? (2 points)**  
a) "Py"  
b) "yt"  
c) "th"  
d) "yth"

**5. Which is a valid**if**statement? (1 point)**  
a) if x = 5:  
b) if x == 5 then:  
c) if x == 5:  
d) if x => 5:

**6. What is the output of**print(type(True))**? (2 points)**  
a) <class 'bool'>  
b) <class 'int'>  
c) <class 'str'>  
d) <class 'float'>

**7. Which imports the**math**module? (1 point)**  
a) include math  
b) import math  
c) require math  
d) using math

**8. What does**"Hello".replace("l", "z")**return? (2 points)**  
a) "Hezzo"  
b) "Hzzo"  
c) "Hezlo"  
d) "Hzzoz"

**9. Which is a tuple? (1 point)**  
a) {1, 2, 3}  
b) [1, 2, 3]  
c) (1, 2, 3)  
d) "1,2,3"

**10. What is**7 % 3**? (1 point)**  
a) 2  
b) 1  
c) 0  
d) 3

**11. Which loop prints numbers 0-4? (3 points)**  
a) for i in range(5): print(i)  
b) for i in 5: print(i)  
c) while i < 5: print(i)  
d) for i in (0,5): print(i)

**12. What is the result of**bool("")**? (1 point)**  
a) True  
b) False  
c) None  
d) Error

**13. Which function reads user input? (2 points)**  
a) input()  
b) read()  
c) scan()  
d) get()

**14. What does**"abc".capitalize()**return? (1 point)**  
a) "ABC"  
b) "Abc"  
c) "aBC"  
d) "abc"

**15. How do you exit a loop early? (2 points)**  
a) stop  
b) exit  
c) break  
d) return

# Python Test for Beginners C

**1. Theoretical Part (50 points)**

**Version C**

**1. What does 'print("Hello, world!")' do in Python? (1 point)**  
a) Outputs Hello, world! to the screen  
b) Declares a variable  
c) Causes an error  
d) Starts a loop

**2. Which symbol is used to start a comment in Python? (1 point)**a) //  
b) <!-- -->  
c) #  
d) --

**3. What is the correct way to create a variable with the numeric value 5? (1 point)**a) num = 5  
b) int num = 5  
c) num := 5  
d) let num = 5

**4. Which of the following are valid Python data types? (2 points)**a) module  
b) list  
c) float  
d) str

**5. What is the result of 3 \* (2 + 1)? (1 point)**a) 6  
b) 7  
c) 9  
d) 5

**6. What is the result of '5' + '4' in Python? (2 points)**a) 9  
b) '54'  
c) 54  
d) Error

**7. What is the output of len([1, 2, 3, 4])? (1 point)**a) 4  
b) 5  
c) 3  
d) Error

**8. Which statement is used for looping in Python? (1 point)**a) loop  
b) while  
c) repeat  
d) foreach

**9. Which of the following correctly defines a function in Python? (2 points)**a) def myFunc():  
b) function myFunc()  
c) void myFunc()  
d) fun myFunc():

**10. What does the 'if' statement do? (1 point)**a) Defines a loop  
b) Handles errors  
c) Makes decisions  
d) Declares variables

**11. Which keyword is used to handle exceptions? (2 points)**a) handle  
b) raise  
c) try, except  
d) catch

**12. What is the output of type(42)? (2 points)**a) int  
b) <class 'int'>"  
c) number  
d) integer

**13. What is the result of 7 // 2 in Python? (2 points)**a) 3   
b) 3.5  
c) 4  
d) Error

**14. Which statement is used to exit a loop? (1 point)**a) break   
b) stop  
c) exit  
d) leave

**14. What will list(range(3)) return? (1 point)**a) [0, 1, 2]  
b) [1, 2, 3]  
c) [0, 1, 2, 3]  
d) Error

**15. Is the following statement right or wrong (2 points)**

*a=10  
b=0*

*try:*

*print(f’Result is {a/b}’)*

*except ZeroDivisionError:*

*pass*a) right  
b) wrong

# Python Test for Beginners D

**1. Theoretical Part (50 points)**

**Version D**

**1. What symbol is used for multiplication in Python? (1 point)**a) x  
b) \*  
c) mul  
d) ^

**2. Which of these creates a string variable? (1 point)**a) name = John  
b) name = 'John'  
c) string name = John  
d) name := 'John'

**3. What does x=input('Enter name:') do? (2 points)**a) Prints name  
b) Declares a variable  
c) Makes comment  
d) Error

**4. What is a correct list in Python? (2 points)**a) (1,2,3)  
b) [1,2,3]  
c) {1,2,3}  
d) <1,2,3>

**5. What is the result of len('abcde')? (1 point)**a) 4  
b) 5  
c) 6  
d) Error

**6. What is the index of 'b' in 'abc'? (2 points)**a) 0  
b) 1  
c) 2  
d) Error

**7. Which keyword starts a loop? (1 point)**a) while  
b) if  
c) def  
d) repeat

**8. What does '==' mean in Python? (1 point)**a) Assignment  
b) Comparison  
c) Addition  
d) Identity

**9. What is returned by range(1, 4)? (2 points)**a) (1,2,3,4)  
b) (1,2,3)  
c) (2,3,4)  
d) Error

**10. Which of these is a Boolean value? (1 point)**a) 0  
b) True  
c) “False”  
d) None

**11. What keyword causes the following output (2 points)**

*for \_ in range(10):*

*if \_ == 6:*

*WHAT\_KEYWORD*

*print(\_, end=”,”)*

*0,1,2,3,4,5,7,8,9*

a) pass  
b) break  
c) continue  
d) none of above

**12. What causes this command? (1 point)**

*while True:*

*print(‘I have a cat’)*a) prints ‘I have a cat’ once  
b) does not print ‘I have a cat’ – not even once   
c) prints ‘I have a cat’ forever  
d) Error

**13. What data type will it results? (1 point)**

*b=4*

*a = b + c*

a) 42  
b) 6   
c) 4  
d) Error

**14. What data type will it result in? (1 point)**

*c =’4’*

*b=4*

*a = b + c*

a) 44  
b) ‘44’   
c) 8  
d) Error

**15. What will be output? (1 point)**

*print(all([1,4,5,True])*a) True  
b) False  
c) None  
d) Error