

# **PYTHON TEST MCQ QUESTIONS:**

**1. Is python a case sensitive language?**

A - true

B - false

**2. Which of the following function convert a String to a list in python?**

A - repr(x)

B - eval(str)

C - tuple(s)

D - list(s)

**3. What is the output of print tuple[0] if tuple = ( 'abcd', 786 , 2.23, 'john', 70.2 )?**

A - ( 'abcd', 786 , 2.23, 'john', 70.2 )

B - abcd

C - Error

D - None of the above.

**4. Which of the following function convert an integer to an unicode character in python?**

A - unichr(x)

B - ord(x)

C - hex(x)

D - oct(x)

**5. Which of the following operator in python evaluates to true if it does not finds a variable in the specified sequence and false otherwise?**

A - \*\*

B - //

C - is

D - not in

**6. What does the following code print?**

```
output = ""  
x = -5  
while x < 0:  
    x = x + 1  
    output = output + str(x) + " "  
print(output)
```

(A) 5 4 3 2 1

(B) -5 -4 -3 -2 -1

(C) -4 -3 -2 -1

**7. What does the following code print?**

```
System.out.println(2 % 3);
```

(A) 2

(B) 0

(C) 3

(D) 1

**8. Which of the following is a Boolean expression? Select all that apply.**

- (A) True
- (B)  $3 == 4$
- (C)  $3 + 4$
- (D)  $3 + 4 == 7$
- (E) "False"

**9. What will be the output of the following code :**  
**`print type(type(int))`**

- (A) type 'int'
- (B) type 'type'
- (C) Error
- (D) 0

**10. What is the output of the following program :**

```
y = 8  
z = lambda x : x * y  
print z(6)
```

- (A) 48
- (B) 14
- (C) 64
- (D) None of the above

**11. What is called when a function is defined inside a class?**

- (A) Module
- (B) Class

- (C) Another Function
- (D) Method

**12. What is the output of the following code :**

**print 9//2**

- (A) 4.5
- (B) 4.0
- (C) 4
- (D) Error

**13. What is the output of the following program :**

**i = 0**

**while i < 3:**

**print i**

**i++**

**print i+1**

- A) 0 2 1 3 2 4
- B) 0 1 2 3 4 5
- C) Error
- D) 1 0 2 4 3 5

**14. What is the output of the following program :**

**print 0.1 + 0.2 == 0.3**

- A) True
- B) False
- C) Machine Dependent
- D) Error

**15. Given a string `s = "Welcome"`, which of the following code is incorrect?**

- A) `print s[0]`
- B) `print s.lower()`
- C) `s[1] = 'r'`
- D) `print s.strip()`

**16. Which of the following is correct about Python?**

- A) It supports automatic garbage collection.
- B) It can be easily integrated with C, C++, COM, ActiveX, CORBA, and Java
- C) Both of the above
- D) None of the above

**17. Which of these is not a core data type?**

- A) Lists
- B) Dictionary
- C) Tuples
- D) Class

**18. What data type is the object below ? `L = [1, 23, 'hello', 1]`**

- A) List
- B) Dictionary
- C) Tuple
- D) Array

**19. Which of the following statement(s) is TRUE?**

**A hash function takes a message of arbitrary length and generates a fixed length code.**

**A hash function takes a message of fixed length and generates a code of variable length.**

**A hash function may give the same hash value for distinct messages.**

- A) I only
- B) II and III only
- C) I and III only
- D) II only

**20. What is the output of the following program :**

```
def myfunc(a):  
    a = a + 2  
    a = a * 2  
    return a  
print myfunc(2)
```

- A) 8
- B) 16
- C) Indentation Error
- D) Runtime Error

**21. What is the output of the following program :**

```
i = 0  
while i < 3:
```

```
print i
i += 1
else:
    print 0
```

- A) 0 1 2 3 0
- B) 0 1 2 0
- C) 0 1 2
- D) Error

**22. What is the output of the following code? Consider Python 2.7.**

```
print tuple[1:3] if tuple == ( 'abcd', 786 , 2.23, 'john', 70.2 )
else tuple()
```

- A) ( 'abcd', 786 , 2.23, 'john', 70.2 )
- B) abcd
- C) (786, 2.23)
- D) None of the above

**23. What is the output of the following program :**

```
print 'abcefd'.replace('cd', '12')
```

- A) ab1ef2
- B) abcefd
- C) ab1efd
- D) ab12ed2

**24. What will be displayed by the following code?**

```
def f(value, values):
```

```
    v = 1
```

```
    values[0] = 44
```

```
t = 3
```

```
v = [1, 2, 3]
```

```
f(t, v)
```

```
print(t, v[0])
```

- A) 1 1
- B) 1 44
- C) 3 1
- D) 3 44

**25. Which function overloads the >> operator?**

- A) more()
- B) gt()
- C) ge()
- D) None of the above

**26. Which of the following is contained in NumPy library ?**

- a) n-dimensional array object
- b) tools for integrating C/C++ and Fortran code
- c) fourier transform
- d) all of the Mentioned

**27. Point out the correct statement:**

- a) NumPy's main object is the homogeneous multidimensional array
- b) In Numpy, dimensions are called axes



- c) Numpy's array class is called ndarray
- d) All of the Mentioned

**28. Point out the wrong statement:**

- a) A universal function is a function that operates on ndarrays in an element-by-element fashion
- b) In Numpy, universal functions are instances of the numpy.ufunc class
- c) Many of the built-in functions are implemented in compiled C code
- d) All of the Mentioned

**29. Which of the following attribute should be used while checking for type combination input and output ?**

- a) .types
- b) .type
- c) .class
- d) all of the Mentioned

**30. Which of the following function take only single value as input ?**

- a) iscomplex
- b) minimum
- c) fmin
- d) all of the Mentioned

**31. All pandas data structures are \_\_\_\_-mutable but not always \_\_\_\_\_-mutable.**

- a) size,value
- b) semantic,size
- c) value,size

d) none of the Mentioned

**32. Point out the correct statement:**

- a) Pandas consist of set of labeled array data structures
- b) Pandas consist of an integrated group by engine for aggregating and transforming data sets
- c) Pandas consist of moving window statistics
- d) All of the Mentioned

**33. Which of the following statement will import pandas ?**

- a) import pandas as pd
- b) import panda as py
- c) import pandaspy as pd
- d) all of the Mentioned

**34. Which of the following library is similar to Pandas ?**

- a) NumPy
- b) RPy
- c) OutPy
- d) None of the Mentioned

**35. Pandas follows the NumPy convention of raising an error when you try to convert something to a bool.**

- a) True
- b) False