

1) Who is the founder of Python programming language?

- A. Dennis Ritchie
- B. James Gosling
- C. Guido Van Rossum
- D. None of the above.

2) Python provides good support for mobile applications.

- A. True
- B. False

3) What is the limitation of Python?

- A. Python is portable.
- B. Python is extensible.
- C. Python is interpreted.
- D. Python is backward incompatible.

4) Select the valid identifier in Python.

- A. 1adhyayan
- B. adhyayan&pune
- C. _adhyayan
- D. 62_adhyayan

5) What will be the output of following code.

```
print(65 +"adhyayan")
```

Aadhyayan

65adhyayan

Error

65"adhyayan"

6) Python is ...

A. Machine level

B. Low level

C. Middle level

D. High level

7) What will be the output of following code.

```
print(19+1*2)
```

40

Error

21

None of the above.

8) Which keyword is used to modify the variable outside the function?

A. local

B. global

C. nonlocal

D. None of the above

9) Python was conceived in year-.

- A. 1972
- B. 1980
- C. 1989
- D. 1995.

10) Which is the appropriate way to declare the function?

- A. `def funName():`
- B. `Def funName():`
- C. `deffunName():`
- D. `def funName()`

11) ... function is used to get input from keyboard.

- A. `cin()`
- B. `scanf()`
- C. `input()`
- D. All of the above.

12) Python is used in technologies such as Data Science & ML.

- A. True
- B. False

13) Which of the following is the correct extension of the Python file?

- A. .python
- B. .pl
- C. .py
- D. .p

14) Which keyword is used for function in Python language?

- A. Function
- B. def
- C. Fun
- D. Define

15) Which of the following character is used to give single-line comments in Python?

- A. //
- B. #
- C. !
- D. /*

16) Which of the following are in correct order with respect to conditional statements in Python?

- (i) if
- (ii) else
- (iii) elif

- A. i, iii, ii
- B. ii, iii, i
- C. iii, ii, i
- D. ii, i, iii

17) Which of the following two will give the same result?

(i) $42//2$

(ii) $21\%6$

(iii) $12/4$

(iv) $11*2$

A. ii,iii

B. i, iii

C. ii, iv

D. iii, iv

18) Which statement is correct?

A. List is immutable && Tuple is mutable

B. List is mutable && Tuple is immutable

C. Both are Mutable.

D. Both are Immutable

19) Suppose a list with name arr, contains 5 elements. You can get the 2nd element from the list using:

A. `arr[-2]`

B. `arr[2]`

C. `arr[-1]`

D. `arr[1]`

20) Which of the following function is used to know the data type of a variable in Python?

- A. datatype()
- B. typeof()
- C. type()
- D. vartype()

21) What will be the result of the following code?

```
a = 15
b = 25
If a > 10 and b > 20:
    print("Both conditions are true")
elif a > 10 or b > 20:
    print("At least one condition is true")
else:
    print("Neither condition is true")
```

- A. Both conditions are true
- B. At least one condition is true
- C. Neither condition is true
- D. Error

22) What will be the output of the following code snippet?

```
result = 1  
for i in range(1, 5):  
    result *= i  
print(result)
```

- A. 24
- B. 120
- C. 10
- D. 15

23) What will be the output of the following code snippet?

```
count = 0  
while count < 5:  
    print(count, end=" ")  
    count += 1  
else:  
    print("Done")
```

- A. 0 1 2 3 4 Done
- B. 0 1 2 3 4
- C. 0 1 2 3 4 5 Done
- D. Done

24) What will be the output of the following code snippet?

```
def greet(name, msg="Hello"):  
    print(msg, name)  
    greet("Alice")  
    greet("Bob", "Hi")
```

- A. Hello Alice Hi Bob
- B. Hello Alice Hello Bob
- C. Alice Hello Bob Hi
- D. Error

25) What will be the output of the following code snippet?

```
def func(a, b):  
    return a * b  
  
x = func(2, 3)  
y = func(3, 4)  
print(x + y)
```

- A. 11
- B. 12
- C. 14
- D. 18

26) What will be the output of the following code snippet?

```
my_list = [1, 2, 3, 4, 5]  
print(my_list[1:4])
```

- A. [1, 2, 3]
- B. [2, 3, 4]
- C. [3, 4, 5]
- D. [2, 3, 4, 5]

27) What will be the output of the following code snippet?

```
my_list = [5, 10, 15, 20]
my_list.insert(2, 12)
print(my_list)
```

- A. [5, 10, 12, 15, 20]
- B. [5, 12, 10, 15, 20]
- C. [5, 10, 15, 12, 20]
- D. [12, 5, 10, 15, 20]

28) What will be the output of the following code snippet?

```
my_dict = {'x': 1, 'y': 2}
my_dict.update({'y': 3, 'z': 4})
print(my_dict)
```

- A. {'x': 1, 'y': 2, 'z': 4}
- B. {'x': 1, 'y': 3, 'z': 4}
- C. {'x': 1, 'z': 4}
- D. {'x': 1, 'y': 2, 'z': 3}

29) What will be the output of the following code snippet?

```
def square(x):
    return x * x

def process(num, func):
    return func(num)

print(process(4, square))
```

- A. 8
- B. 12
- C. 16
- D. Error

30) What will be the output of the following code snippet?

```
my_dict = {'a': {'b': 1, 'c': 2}, 'd': {'e': 3, 'f': 4}}  
print(my_dict['a']['c'] + my_dict['d']['e'])
```

- A. 3
- B. 5
- C. 6
- D. KeyError