

# PPS UNIT TEST -1 MCQ

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\* Required

1. Name of Student \*

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2. Roll No \*

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3. Division \*

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☐ FE-D

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MCQ

5. Q1

In computer science, algorithm refers to a pictorial representation of a flowchart

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☐ True

☐ False

6. Q2

Is Python case sensitive when dealing with identifiers?

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- ☐ yes
- ☐ no
- ☐ machine dependent
- ☐ none of the mentioned

7. Q3

Which of the following is an invalid variable?

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- ☐ my\_string\_1
- ☐ 1st\_string
- ☐ foo
- ☐ \_

8. Q4

All keywords in Python are in \_\_\_\_\_

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- ☐ lower case
- ☐ upper case
- ☐ capatilized
- ☐ none of the mentioned

9. Q5

Which of the following is true for variable names in Python?

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- ☐ unlimited length
- ☐ all private members must have leading and trailing underscores
- ☐ underscore and ampersand are the only two special characters allowed
- ☐ none of the mentioned

10. Q6 Find the output following code snippet?

```
i=1
While True:
    if i % 7 == 0:
        break
    print(i)
    i+= 1
```

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- ☐ 1 2 3 4 5 6
- ☐ 1 2 3 4 5 6 7
- ☐ error
- ☐ None of the above

11. Q7

Which is the correct operator for power(x,y)?

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- ☐ X^y
- ☐ X\*\*y
- ☐ X^^y
- ☐ None of the mentioned

12. Q8. Find the output of following code

```
i=5
While True:
    if i%11==0:
        break
    print(i)
    i+=1
```

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- ☐ 5 6 7 8 9 10
- ☐ 5 6 7 8
- ☐ 5 6
- ☐ Error

13. Q9 What is the answer to this expression, 22 % 3 is?

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- ☐ 7
- ☐ 1
- ☐ 0
- ☐ 5

14. Q10

Which of the following is not used as loop in Python?

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- ☐ for loop
- ☐ while loop
- ☐ do-while loop
- ☐ None of the above

15. Q11

Mathematical operations can be performed on a string

*Mark only one oval.*

- ☐ True
- ☐ False

16. Q12

Operators with the same precedence are evaluated in which manner?

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- ☐ Left to Right
- ☐ Right to Left
- ☐ Can't say
- ☐ None of the mentioned

17. Q13

Which of the following is True regarding loops in Python?

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- ☐ Loops should be ended with keyword "end".
- ☐ No loop can be used to iterate through the elements of strings.
- ☐ Keyword "break" can be used to bring control out of the current loop.
- ☐ Keyword "continue" is used to continue with the remaining statements inside the loop.

18. Q14

What is the output of this expression, 3\*1\*\*3?

*Mark only one oval.*

- ☐ 27
- ☐ 9
- ☐ 3
- ☐ 1

19. Q15. How many times will loop run?

```
i = 2
while(i > 0):
    i = i - 1
```

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- ☐ 2
- ☐ 3
- ☐ 1
- ☐ 0

20. Q16

Which one of the following has the highest precedence in the expression?

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- ☐ Exponential
- ☐ Addition
- ☐ Multiplication
- ☐ Parentheses

21. Q17

Which one of the following is a valid Python if statement : A

if a>=2 : B

if (a >= 2) C

if (a => 22) D

if a >= 22

*Mark only one oval.*

- ☐ A
- ☐ B
- ☐ C
- ☐ D

22. Q18

Which of these is not a core data type?

*Mark only one oval.*

- ☐ Lists
- ☐ Dictionary
- ☐ Tuples
- ☐ Class
- ☐ Option 5

23. Q19

What keyword would you use to add an alternative condition to an if statement?

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- ☐ else if
- ☐ elseif
- ☐ elif
- ☐ None of the above
- ☐ Option 5

24. Q20

Can we write if/else into one line in python?

*Mark only one oval.*

- ☐ Yes
- ☐ No
- ☐ if/else not used in python
- ☐ None of the above
- ☐ Option 5

25. Q21

Given a function that does not return any value, What value is thrown by default when executed in shell

*Mark only one oval.*

- ☐ int
- ☐ bool
- ☐ void
- ☐ None



26. Q22 What will be the output of the following Python code?

```
1. >>>str="hello"  
2. >>>str[:2]  
3. >>>
```

*Mark only one oval.*

- ☐ he
- ☐ lo
- ☐ olleh
- ☐ hello

27. Q23

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

*Mark only one oval.*

- ☐ list
- ☐ dictionary
- ☐ array
- ☐ tuple

28. Q24

Who developed the Python language?

*Mark only one oval.*

- ☐ Zim Den
- ☐ Guido van Rossum
- ☐ Niene Stom
- ☐ Wick van Rossum

29. Q25

In which language is Python written?

*Mark only one oval.*

- ☐ English
- ☐ PHP
- ☐ C
- ☐ All of the above

30. Q

26 In a Python program, a control structure:

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- ☐ . Defines program-specific data structures
- ☐ Directs the order of execution of the statements in the program
- ☐ Dictates what happens before the program starts and after it terminates
- ☐ None of the above

31. Q

27 Which statement will check if a is equal to b?

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- ☐ . if a = b:
- ☐ . if a == b:
- ☐ if a === c:
- ☐ if a == b:

32. Q28.

16] FIND THE OUTPUT

`x= -10``if x <0:` `print("The negative number", x, " is not valid here.")` `print("This is always printed")`

a. This is always printed

b. The negative number -10 is not valid here. This is always printed

c. The negative number -10 is not valid here

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☐ output A

☐ output B

☐ output c

☐ It will cause an error because every if must have an else clause.

33. Q.29

29] Which of the following is true about the code below?

```
x = 3
if (x > 2):
    x = x * 2;
if (x > 4):
    x = 0;
print(x)
```

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- ☐ x will always equal 0 after this code executes for any value of x
- ☐ if x is greater than 2, the value in x will be doubled after this code executes
- ☐ if x is greater than 2, x will equal 0 after this code executes

34. Q30

30] Which of the following will evaluate to true?

- I. True AND False
- II. False or True
- III. False AND (True or False)

☐ ☐ ☐

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- ☐ I
- ☐ II
- ☐ I and II
- ☐ II and III

35. Q.31 for i in range(-3), how many times this loop will run ?

*Mark only one oval.*

- ☐ 0
- ☐ 1
- ☐ 2
- ☐ infinite
- ☐ Error

36. Q.32) for loop in python are work

*Mark only one oval.*

- ☐ range
- ☐ . iteration
- ☐ Both of the above
- ☐ None of the above

37. Q. 33)To break the infinite loop , which keyword we use ?

*Mark only one oval.*

- ☐ continue
- ☐ break
- ☐ exit
- ☐ None of the above

38. Q.34)

[34] What will be the output of the following Python code?

```
i = 0
while i < 3:
    print(i)
    i += 1
else:
    print(0)
```

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☐ 0 1 2 3 0

☐ 0 1 2 0

☐ 0 1 2

☐ Error

39. Q.35)

35] What will be the output of the following Python code?

```
x="abcdef"  
i="i"  
while i in x:  
    print(i, end=" ")
```

*Mark only one oval.*

- ☐ no output
- ☐ i i i i ...
- ☐ a b c d e f
- ☐ "a b c d e f"

40. Q.36) for i in range(0): print(i)

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- ☐ 0
- ☐ no\_output
- ☐ error
- ☐ none of the above

41. Q.37

37] What will be the output of the following Python code?

```
for i in range(0):  
    print(i)
```

*Mark only one oval.*

- ☐ (nothing is printed)
- ☐ error
- ☐ ] none of the mentioned

42. Q.38) Which of the following commands will create a list?

*Mark only one oval.*

- ☐ list1 = list()
- ☐ list1 = [ ]
- ☐ list1 = list([1, 2, 3])
- ☐ all of the mentioned



43. Q.39) What is the output when we execute list("hello")?

*Mark only one oval.*

- ☐ ['h', 'e', 'l', 'l', 'o']
- ☐ ['hello']
- ☐ ['llo']
- ☐ ['olleh']

44. Q.40) Suppose list Example is ['h','e','l','l','o'], what is len(listExample)?

*Mark only one oval.*

- ☐ 5
- ☐ 4
- ☐ None
- ☐ error

45. Q.41) Suppose list1 is [2, 33, 222, 14, 25], What is list1[-1]?

*Mark only one oval.*

- ☐ Error
- ☐ None
- ☐ 25
- ☐ 2

46. Q.42) Which of the following is a Python tuple?

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☐ [1,2,3]

☐ (1,2,3)

☐ {1,2,3}

☐ {}

47. Q.43) Suppose `t = (1, 2, 4, 3)`, which of the following is incorrect?

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☐ `print(t[3])`

☐ `t[3] = 45`

☐ `print(max(t))`

☐ `print(len(t))`

48. Q.44) What is the data type of (1)?

*Mark only one oval.*

☐ Tuple

☐ Integer

☐ List

☐ Both tuple and integer

49. Q.45) If  $a=(1,2,3,4)$ ,  $a[1:-1]$  is \_\_\_\_\_

*Mark only one oval.*

- ☐ Error, tuple slicing doesn't exist
- ☐ ) [2,3]
- ☐ (2,3,4)
- ☐ (2,3)

50. Q.46) What type of data is:  $a=[(1,1),(2,4),(3,9)]$ ?

*Mark only one oval.*

- ☐ Array of tuple
- ☐ List of tuples
- ☐ Tuples of lists
- ☐ Invalid type

51. Q.47) Which of the following statements create a dictionary?

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- ☐  $d = \{ \}$
- ☐  $d = \{ "john":40, "peter":45 \}$
- ☐  $d = \{ 40:"john", 45:"peter" \}$
- ☐ All of the mentioned

52. Q.48) Which of these about a dictionary is false?

*Mark only one oval.*

- ☐ The values of a dictionary can be accessed using keys
- ☐ The keys of a dictionary can be accessed using values
- ☐ Dictionaries aren't ordered
- ☐ Dictionaries are mutable

53. Q.49)

49) What will be the output of the following Python code snippet?

```
>>> a={1:"A",2:"B",3:"C"}  
>>> del a
```

*Mark only one oval.*

- ☐ method del doesn't exist for the dictionary
- ☐ del deletes the values in the dictionary
- ☐ del deletes the entire dictionary
- ☐ del deletes the keys in the dictionary

54. Q.50) In which year was the Python language developed?

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☐ 1995

☐ 1972

☐ 1981

☐ 1989

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