

# Python & AIML Assessment BC-103&104

Points: 19/30

Time: 38:10

✗ **Incorrect** 0/1 Points

1. Recommendation Engine is an example of \_\_\_\_\_

- ☒ Supervised learning
- ☐ Unsupervised learning
- ☐ Active learning
- ☐ Reinforcement learning

✓ **Correct** 1/1 Points

2. Series is a one-dimensional labeled array capable of holding any data type.

- ☒ True
- ☐ False

✓ **Correct** 1/1 Points

3. Which of the following library is similar to Pandas?

- ☒ NumPy
- ☐ RPy
- ☐ OutPy
- ☐ None of the mentioned

✗ **Incorrect** 0/1 Points

4. Which of the factors affect the performance of learner system does not include?

- ☐ Representation scheme used
- ☐ Training scenario
- ☒ Type of feedback
- ☐ Good data structures

✗ **Incorrect** 0/1 Points

5. What will be the output of the below code.

```
Import pandas as pd  
Pnd.Series([1,2], index = ['a' , 'b' , 'c'])
```

- ☒ Syntax Error
- ☐ Value Error

- ☐ Index Error
- ☐ None of the above

✗ **Incorrect** 0/1 Points

6. A series object is size mutable.

- ☒ True
- ☐ False

✓ **Correct** 1/1 Points

7. What will be the output of the below function

```
Def my_func(num):  
while True:  
if num%3 == 0:  
return num  
num += 1  
Print(my_func(13))
```

- ☐ 13
- ☐ Infinite Loop
- ☒ 15
- ☐ None of the above

✓ **Correct** 1/1 Points

8. What will be output of the following program.

```
Z = set('abc')  
Z.add('san')  
Z.update(set(['p', 'q']))  
Print(z)
```

☐ {'a', 'c', 'c', 'p', 'q', 's', 'a', 'n'}

☐ {'abc', 'p', 'q', 'san'}

☒ {'a', 'b', 'c', 'p', 'q', 'san'}

☐ {'a', 'b', 'c', ['p', 'q'], 'san'}

✓ **Correct** 1/1 Points

9. Which library is needed to be imported to use the power method

☐ Scipy

☐ Numpy

☒ Math

☐ NumericOperation

✓ **Correct** 1/1 Points

10. What arithmetic operators cannot be used with strings in Python?

☐ \*

☒ -

☐ +☐ All of the mentioned

✗ **Incorrect** 0/1 Points

11. Python supports the creation of anonymous functions at runtime, using a construct called \_\_\_\_\_

☐ pi☒ anonymous☐ lambda☐ none of the mentioned

✗ **Incorrect** 0/1 Points

12. Artificial Intelligence is a sub-set of Machine Learning

☒ True☐ False

✓ **Correct** 1/1 Points

13. What is the order of precedence in python?

☐ Exponential, Parentheses, Multiplication, Division, Addition, Subtraction☐ Exponential, Parentheses, Division, Multiplication, Addition, Subtraction

- ☐ Parentheses, Exponential, Multiplication, Division, Subtraction, Addition
- ☒ Parentheses, Exponential, Multiplication, Division, Addition, Subtraction

✓ **Correct** 1/1 Points

14. Which of the following is not a core data type in Python programming?

- ☐ Tuples
- ☐ Lists
- ☒ Class
- ☐ Dictionar

✓ **Correct** 1/1 Points

15. Which of the following is used as to identify a block of python code

- ☐ Identifiers
- ☒ Indentation
- ☐ Brackets
- ☐ None of the above

✓ **Correct** 1/1 Points

16. In what type of learning labelled data is used.

- ☐ Unsupervised learning
- ☐ Semi supervised learning
- ☒ Supervised learning
- ☐ Reinforcement learning

✓ **Correct** 1/1 Points

17. Which of the following input can be accepted by DataFrame?

- ☐ Structured ndarray
- ☐ Series
- ☐ DataFrame
- ☒ All of the mentioned

✗ **Incorrect** 0/1 Points

18. Which of the following functions is a built-in function in python?

- ☐ factorial()
- ☐ ord()
- ☐ seed()
- ☒ sqrt()

✗ **Incorrect** 0/1 Points

19. Which one of the following is not a keyword in Python language?

- ☐ pass
- ☐ eval
- ☐ assert
- ☒ nonlocal

✓ **Correct** 1/1 Points

20. What is the output of : `print('abc. DEF'.capitalize())`

- ☒ Abc. Def
- ☐ ABC DEF
- ☐ Abc DEF
- ☐ abc. def

✓ **Correct** 1/1 Points

21. What will be the output of the expression : `round(4.567)`

- ☐ 4.6
- ☐ 4
- ☒ 5



☐ 4.5

✓ **Correct** 1/1 Points

22. What will be the output of the following Python expression if x=56.236?

```
print("%.2f"%x)
```

☐ 56.236☐ 56.23☐ 56.00☒ 56.24

✓ **Correct** 1/1 Points

23. What will be the output of the expression min(max(False, -3, -4), 2, 7)

☐ -4☐ -3☐ 2☒ False

✗ **Incorrect** 0/1 Points

24. If a Machine Learning model output involves target variable then the model is called

- ☒ Descriptive model
- ☐ Predictive model
- ☐ Reinforcement model
- ☐ All of the above

✗ **Incorrect** 0/1 Points

25. All keywords in python are \_\_\_\_?

- ☒ Lowercase
- ☐ Capitalized
- ☐ Uppercase
- ☐ None of the above

✓ **Correct** 1/1 Points

26. What are the values of the following Python expressions?

`2 ** (3 ** 2)`  
`(2 ** 3) ** 2`  
`2**3**2`

- ☒ 512, 64, 512
- ☐ 512, 512, 512
- ☐ 64, 512, 64

☐ 64, 64, 6

✓ **Correct** 1/1 Points

27. What will be the output of the below code snippet.

```
for i in [1, 2, 3, 4][::-1]:  
    print(i, end=' ')
```

☒ 4 3 2 1

☐ error

☐ 1 2 3 4

☐ none of the mentioned

✓ **Correct** 1/1 Points

28. . Which one of the following is the use of function in python?

☐ Functions don't provide better modularity for your application

☐ you can't also create your own functions

☒ Functions are reusable pieces of programs

☐ All of the mentioned

✓ **Correct** 1/1 Points

29. What will be the value of the expression  $4 * 8 - 10 / 2 ** 2 + 2$ .

- ☒ 31.5
- ☐ 3.66
- ☐ 30.34
- ☐ None of the above

✖ **Incorrect** 0/1 Points

30. What is the maximum possible length of an identifier in Python?

- ☐ 79 characters
- ☒ 31 characters
- ☐ 63 characters
- ☐ none of the mentioned

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