

Python Programming – Final Exam

Time: 2 Hours

Total Marks: 50

Instructions:

- Read questions carefully.
 - No electronic devices allowed.
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Section A: MCQ Questions (30 Marks)

Choose the correct answer:

Q1

Which loop is preferred when the number of iterations is known?

- A) while
 - B) for
 - C) if
 - D) break
-

Q2

Which keyword is used to handle errors in Python?

- A) error
 - B) try
 - C) handle
 - D) catch
-

Q3

Which data type is immutable?

- A) list
 - B) set
 - C) dictionary
 - D) tuple
-

Q4

What does the break statement do?

- A) Skip iteration
 - B) Exit loop completely
 - C) Stop program
 - D) Restart loop
-

Q5

Which keyword is used to define a function?

- A) function
 - B) def
 - C) define
 - D) fun
-

Q6

Which of the following does not allow duplicate values?

- A) list
 - B) tuple
 - C) set
 - D) dictionary
-

Q7

Indexing in Python starts from:

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

Q8

What does a function return if there is no return statement?

- A) 0
- B) False

- C) None
 - D) Error
-

Q9

Which block always executes whether an error occurs or not?

- A) try
 - B) except
 - C) finally
 - D) error
-

Q10

Which operator requires all conditions to be true?

- A) or
 - B) and
 - C) not
 - D) ==
-

Q11

What is OOP?

- A) A data type
 - B) Programming using classes and objects
 - C) Loop structure
 - D) Error handling
-

Q12

Which statement skips the current iteration only?

- A) break
 - B) stop
 - C) pass
 - D) continue
-

Q13

What is a module?

- A) Loop
 - B) File that contains Python code
 - C) Variable
 - D) Error
-

Q14

Which statement imports part of a module?

- A) import math
 - B) include math
 - C) from math import sqrt
 - D) math.import
-

Q15

Why is indentation important in Python?

- A) Speed
 - B) Styling
 - C) Defines code blocks
 - D) Printing
-

Section B: Complete the Following (10 Marks)

Q16

The keyword used to exit a loop completely is _____.

Q17

A function without a return statement returns _____.

Q18

The data structure that stores key-value pairs is called _____.

Q19

_____ is used to convert one data type into another.

Q20

The block used to test code that may cause an error is _____.

Section C: Theory Questions (10 Marks)

Answer briefly:

Q21

Explain the difference between for loop and while loop.

Q22

What is an exception in Python?

Q23

Explain try, except, and finally.

Q24

What is the difference between list and tuple?

Q25

Explain Object Oriented Programming (OOP).

End of Exam

Good luck 