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| **IIG Varsity**  GA-116, Gayatri Vihar, Kanan Vihar, Patia  Bhubaneswar, Odisha 751021  Test: **IIG-PY-2025**, Date: **15-07-2025**  **Time: 2:00hours**  **Full Mark: 100** |  |

Name of the candidate:

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**SECTION-1 (Answer all Questions) Full Mark: 50**

1. Who developed Python Programming Language?
2. Wick van Rossum
3. Rasmus Lerdorf
4. Guido van Rossum
5. Niene Stom
6. Which mode create new file if the file doesn’t exist?
7. append Mode
8. write Mode
9. both A & B
10. none
11. Select all correct methods to delete files in Python.
12. os.remove('file\_path')
13. os.rmfile('file\_path')
14. pathlib.Path('file\_path').remove()
15. os.unlink('file\_path')
16. What is the purpose of mainloop() in Tkinter?
17. starts the application
18. terminates the GUI
19. renders all widgets
20. triggers mouse events
21. What does pip stand for python?
22. pip Installs Python
23. pip Installs Packages
24. preferred Installer Program
25. all of the mentioned
26. Which type of Programming does Python support?
27. object-oriented programming
28. structured programming
29. functional programming
30. all of the mentioned

1. Is Python case sensitive when dealing with identifiers?
2. yes
3. no
4. machine dependent
5. none of the mentioned
6. Is Python code compiled or interpreted?
7. Python code is both compiled and interpreted
8. Python code is neither compiled nor interpreted
9. Python code is only compiled
10. Python code is only interpreted
11. Which of the following types of loops are not supported in Python?
12. for
13. while
14. do-while
15. none
16. Which of the following is used to define a block of code in Python language?
17. Indentation
18. Key
19. Brackets
20. All
21. What is the output of the following code?

**list1 = [1, 2, 3, 4]**

**list2 = [3, 4, 5, 6]**

**newList = list(set(list1) & set(list2))**

**print(newList)**

1. [1, 3, 2, 4, 5, 6]
2. [3, 2]
3. [4, 5, 2]
4. [3, 4]
5. What is the output of the following code?

**i = 1**

**while True:**

**if i%3 == 0:**

**break**

**print(i)**

**i + = 1**

1. 1 2 3
2. SyntaxError
3. 1 2
4. All
5. Which of the following character is used to give single-line comments in Python?
6. //
7. #
8. !
9. /\*
10. Which of the following is not a core data type in Python programming?
11. Tuples
12. Lists
13. Class
14. integer
15. What will be the output of the following Python statement?

**print("a"+"bc")**

1. bc
2. abc
3. a
4. bca
5. Which one of the following is not a keyword in Python language?
6. Pass
7. Eval
8. Assert
9. Nonlocal
10. Which of the following is a Python tuple?
11. {1, 2, 3}
12. {}
13. [1, 2, 3]
14. (1, 2, 3)
15. What will be the output of the following Python expression?

**print(round(4.576))**

1. 4
2. 4.6
3. 5
4. 4.5
5. Suppose t = (1, 2, 4, 3), which of the following is incorrect?
6. print(t[3])
7. t[3] = 45
8. print(max(t))
9. print(len(t))
10. Which of the following is not the correct syntax for creating a set?
11. set([[1,2],[3,4]])
12. set([1,2,2,3,4])
13. set((1,2,3,4))
14. {1,2,3,4}
15. What will be the output of the following Python code?

**nums = set([1,1,2,3,3,3,4,4])**

**print(len(nums))**

1. 7
2. Error, invalid syntax for formation of set
3. 4
4. 8
5. What will be the output of the following code?

**x = 5**

**if x > 10:**

**print("Greater than 10")**

**else:**

**print("Not greater than 10")**

1. Greater than 10
2. Not greater than 10
3. Error
4. None
5. What will be the value of the following Python expression?

**print(4 + 3 % 5)**

1. 7
2. 2
3. 4
4. 1
5. Which function is called when the following Python program is executed?

**f = foo()**

**format(f)**

1. str()
2. format()
3. \_\_str\_\_()
4. \_\_format\_\_()
5. What will be the output of the following Python code?

**class tester:**

**def init(self, id):**

**self.id = str(id)**

**id="224"**

**temp = tester(12)**

**print(temp.id)**

1. 12
2. 224
3. None
4. Error

**SECTION-2 (Answer all Questions) Full Mark: 50**

1. Write Python code to implement a simple calculator.
2. Print all multiplication tables from 2 to 50? Five tables are supposed to be arranged

horizontally and subsequently five more in the next row horizontally and so on.