

<b>Subject:</b> Introduction to Python	<b>Date:</b> 17/07/2023
<b>Test:</b> 1	<b>Faculty:</b> Mohammad Shoaib Khan

### Questions:

**Q.1 What will be the output of the given questions asked?**

**a = [1, 2, 3, 34, 4, 5, 5, 56, 6, 7, 71, 72, 722, 7665, 45]**

**[5 marks]**

**Find:**

**1. a[10:] = ?**

**2. a[::-1] = ?**

**3. a.reversed() = ?**

**4. reversed(a) = ?**

**5. a.append(10000) = ?**

**6. a.add(7, 7816) = ?**

**7. a.sort() = ?**

**8. a.index(7665) = ?**

**9. a.pop(2) = ?**

**10. a.remove(56) = ?**

**Q.2 What is indentation, Explain with an example (in just 2-3 lines).**

**[2 marks]**

**Q.3 Does Python needs to be compiled before it is run? [(YES OR NO) ALSO explain in just 1-2 lines]**

**[2 marks]**

**Q.4 Find Value of  $5 \% 2 = ?$**

**[1 mark]**

**Q.5 Write the workings of the program that accepts the age of 7 users and find the 2 different youngest users out of it.**

**[5 marks]**

**Q.6 Write a program working to check the sum of three elements (each from the three arrays. if the Sum of each element from three arrays is equal to a target value. then, Print all those three-element combinations in the list.**

**[5 marks]**

**Use this sample data for the above question.**

**x = [10, 20, 20, 20]**

**y = [10, 20, 30, 40]**

**z = [10, 30, 76, 20]**

**Target = 70**

## **RULES:**

1. The result of the paper will be declared as either PASS / FAIL not in marks.
2. If you find any wrong questions, please mention your thoughts **[Why the question is wrong]** in the answer sheet mentioning the Question number.
3. No need to write codes in the answer sheet for programming-related questions. Programming questions are given to judge your thinking skills and the structure you follow to achieve the results in the program. Hence it is recommended to write your process of achieving the goal in a pointwise manner also you are free to draw the diagram/flowchart of your workflow for better understanding.