



**SILVER OAK  
UNIVERSITY**  
EDUCATION TO INNOVATION

## School of Technology, Design and Computer Application

### Silver Oak College of Engineering & Technology

#### Bachelor of Technology

#### Department of Information Technology

<b>Semester:</b>	4th	<b>Academic Year:</b>	2024-25
<b>Course Name:</b>	Python Programming	<b>Course Code:</b>	1010043230

#### Question Bank

Sr. No	Question Text	Marks	CO Number	Level of Bloom's Taxonomy
<b>Unit 1: Introduction to Python Programming</b>				
1	Give one example of Python program?	3	CO1	R
2	Explain features of python.	3,4	CO1	U
3	Compare python with C and Java.	8	CO1	R
4	Python is interpreted language explain in details.	3	CO1	R,U
5	Which are the built in data types in python?	3	CO1	R
6	How to comment specific line(s) in Python program?	3	CO1	U
7	Explain a list with examples and explain any 5 methods with examples.	8	CO1	U
8	Is tuple mutable? Demonstrate any two methods of tuple.	7	CO1	A
9	Write a program to reverse a list.	3	CO1	A
10	Differentiate between list and set	3	CO1	R
11	Illustrate about List in Python programming language.	3	CO1	A
12	What is dictionary in Python? Explain with an example.	8	CO1	R, U
13	Explain Bitwise Operator.	4	CO1	U
14	Explain membership operator.	4	CO1	U
15	Explain python list constructor	3	CO1	U



16	Explain List Comprehension.	4	CO1	U
17	Illustrate dictionary in Python programming language.	3	CO1	A
18	Explain the list method index() with an example.	3	CO1	U
19	Design about Creating a tuple in Python.	3	CO1	A
20	Explain the following method with examples append(), pop(), insert(), extend()	4	CO1	U
21	Write a Python program that implements i. Reverse a list. ii. Copy a list. iii. Insert a number in list.	4	CO1	A
22	Explore the standard data types in Python?	3	CO1	R
23	Illustrate bitwise operator.	3	CO1	A
24	Explain membership operator.	3	CO1	U
25	Write different types of operators?	7	CO1	R
26	Express an operator and explain about the arithmetic operators and assignment operators in Python with example.	7	CO1	U
27	Describe about input statements in Python examples.	4	CO1	U
28	Summarize about built-in data types and sequences in Python with examples.	7	CO1	U
29	List out different arithmetic Python?	4	CO1	R
30	Explain different sequences in Python?	3	CO1	U
31	Write a Python program to find area of circle.	3	CO1	A
32	Write a Python program to find Perimeter of rectangle	3	CO1	A
33	Explain the concept of string slicing along with examples.	3	CO1	U
34	What is the use of islower() and isupper() method?	4	CO1	
35	Write a program to find all occurrences of a substring in a string. Example: He is John. John is fine. Expected output: The count of John is: 2	5	CO1	
36	List the inbuilt method of strings. Explain any 4 of them with examples.	6	CO1	U
37	Is String a mutable data type? Also explain the string operations length, indexing and slicing in detail with an appropriate example.	7	CO1	R,U
38	What is string concatenation? Explain different ways to concatenate strings.	7	CO1	R,U
39	Discuss the following operations on strings i)Length of string	7	CO1	U



	ii)Indexing in strings iii)counting substrings in a string			
40	Explain the concept of string slicing along with examples.	3	CO1	U
<b>Unit 2: Conditional &amp; Control Structures</b>				
41	Explain the while loop with an example.	7	CO2	U
42	Analyze the various types of loops in Python?	3	CO2	R
43	Narrate break statement and continue statement in python with example	7	CO2	U
44	Make a simple calculator using if else.	4	CO2	A
45	With the syntax explain if-elif statement?	3	CO2	U
46	Examine if-else statement? Explain with example?	4	CO2	U
47	How are nested for loop used in Python?	3	CO2	U
48	Explain Enumerate function with example.	4	CO2	U
49	Write a Program to print letters of string “Silver Oak University” except e and s.	4	CO2	A
50	Describe a conditional block using if statement? Explain with an example?	4	CO2	U
51	Explore in detail about range function with suitable examples?	7	CO2	R
52	Explain different conditional block statement	3	CO2	U
53	Illustrate the if-elif-else statement with examples.	4	CO2	A
54	Print 10 elements using for loop.	4	CO2	A
55	Explain Enumerate sequences in Python, with example	7	CO2	U
56	Print first 10 even numbers using a while loop.	4	CO2	A
57	Write a program whether the entered number is prime or not.	4	CO2	A
58	Explain the following with an example. 1)Range 2)In operator 3) Not in	7	CO2	R

**Course Coordinator**

**Head of Department**