

**ANURAG Engineering College**

(An Autonomous Institution)

III B.Tech I Semester Supplementary Examinations, December - 2024

**PROGRAMMING WITH PYTHON  
(COMPUTER SCIENCE AND ENGINEERING)****Time: 3 Hours****Max. Marks: 75****Section – A (Short Answer type questions)****(25 Marks)****Answer All Questions**

	<b>Course Outcome</b>	<b>B.T Level</b>	<b>Marks</b>
1. How do you run a Python script function?	CO1	L2	2M
2. What are the string functions in Python? Give example.	CO1	L1	3M
3. Define implicit and explicit type conversion in python.	CO2	L1	2M
4. What is the difference between definite iteration and indefinite iteration in Python?	CO2	L2	3M
5. How do you get a substring from a list in Python? Give example.	CO3	L1	2M
6. How to convert the string characters from lower to upper case and upper to lower case in Python? Give example.	CO3	L1	3M
7. How to access the items from indexed list in python? Give example.	CO4	L1	2M
8. Write a python code for replacing an element in a list.	CO4	L1	3M
9. How to create a function in python? Give example.	CO5	L1	2M
10. How Information can be passed into functions as arguments in python?	CO5	L1	3M

**Section B (Essay Questions)****Answer all questions, each question carries equal marks.****(5 X 10M = 50M)**

11. A) How to be interpreting a Python program? Explain with examples.	CO1	L2	10M
<b>OR</b>			
B) How are syntax errors detected and corrected in python? Explain with examples.	CO1	L2	10M
12. A) What are the arithmetic expressions are used in Python? Explain with examples.	CO2	L2	10M
<b>OR</b>			
B) List out and explain built-in functions available in Python.	CO2	L2	10M
13. A) Illustrate any five string methods with example.	CO3	L2	10M
<b>OR</b>			
B) Explain methods for reading and writing in text files and their format.	CO3	L2	10M
14. A) Write a python program for inserting and removing an element from the list.	CO4	L2	10M
<b>OR</b>			
B) How to search and sort an element from list used in Python? Explain with example.	CO4	L2	10M
15. A) Write a Python function that prints all factors of a given number.	CO5	L3	10M
<b>OR</b>			
B) How to apply the top-down approach to design a python program? Explain with a real-world problem.	CO5	L3	10M

