R18

ANURAG Engineering College
(An Autonomous Institution)
III B.Tech I Semester Regular/Supplementary Examinations, Dec–2023/Jan-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

		Course Outcome	B.T Level	Marks
1.	What are the main characteristics of Python?	CO1	L1	2M
2.	How input and output functions works in Python?	CO1	L1	3M
3.	What is mixed-mode arithmetic used in Python?	CO2	L1	2M
4.	List out and describe any five built-in functions in python	CO2	L1	3M
5.	What are the steps for writing text to files in Python? Give example.	CO3	L1	2M
6.	Write the steps for reading numbers from a file with example.	CO3	L1	3M
7.	How to removing an element in the list? Give example.	CO4	L1	2M
8.	What are the arithmetic operators available in Python? Give example.	CO4	L1	3M
9.	How to call a Python function? Give example.	CO5	L1	2M
10.	Write program to pass an argument in a python function.	CO5	L1	3M

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

11. A)	Explain the characteristics and applications of python.	CO1	L2	10M
	OR			
B)	Illustrate the process to run a python code in IDLE and Interactive Shell.	CO1	L2	10M
12. A)	Explain in detail about definite iteration with examples.	CO2	L2	10M
	OR			
B)	Illustrate the conditional Iteration statement with examples.	CO2	L2	10M
13. A)	How do you manipulating the files and directories in Python? Explain with example.	CO3	L2	10M
	OR			
B)	Write a python program to count the number of lower case alphabets present in a text file "count.txt"	CO3	L2	10M
14. A)	What are the types of List Literals used in Python? Explain with examples.	CO4	L2	10M
	OR			
B)	Explain about traversing a dictionary in sorted and reverse order with example.	CO4	L2	10M
15. A)	What are the problem-solving techniques in Python? Explain in detail.	CO5	L2	10M
	OR			
B)	Explain the python recursive function with syntax and example.	CO5	L2	10M