Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech II Year I Semester Regular & Supplementary Examinations March-2023
PYTHON PROGRAMMING
(Common to CAD & CSM)

Time: 3 hours   Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

1	a	What is Set? Explain set Operations.	CO2	L1	6M
	b	What is Dictionary? Explain the Methods available in Dictionary.	CO2	L2	6M

OR

2	a	List out the Features and Applications of Python.	CO1	L1	6M
	b	Discuss about History of Python Language.	CO1	L2	6M

UNIT-II

3	a	What are the different loop control statements available in Python? Explain with suitable examples.	CO1	L1	6M
	b	Write a python program to calculate sum of natural numbers.	CO1	L4	6M

OR

4	a	Explain the Bitwise operators with example.	CO2	L2	6M
	b	Rate the order of execution of different Expressions by evaluating them through python program.	CO2	L5	6M

UNIT-III

5	Explain about different types of arguments in Python.	CO3	L2	12M

OR

6	a	Create Recursive function to find factorial of a number.	CO3	L6	6M
	b	Express function to do all arithmetic operations.	CO3	L2	6M

UNIT-IV

7	What is package in Python? Explain the use of packages in your program with an example code	CO6	L3	12M

OR

8	a	Classify Errors and Exception Handling in Python programming.	CO4	L4	6M
	b	Express the term: user defined exceptions.	CO4	L1	6M

UNIT-V

9	a	What is Data Management and Object Persistence? Explain in detail.	CO5	L1	6M
	b	Describe the Turtle using python program.	CO4	L2	6M

OR

10	Express about Mathematical functions in python.	CO5	L2	12M

*** END ***

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UNIT-I

1	a	What is SDLC? Explain its Operations.	CO2 L1 6M
	b	What is List in Python? Explain the Methods available in it briefly.	CO2 L2 6M

OR

2	a	Discuss about the Applications of Python.	CO1 L1 6M
	b	Explain about History of Python Language.	CO1 L2 6M

UNIT-II

3	a	Explain the different types of sequences available in Python? Explain with an example.	CO2 L2 6M
	b	Write a Python program to calculate sum of natural numbers.	CO1 L4 6M

OR

4	a	Explain the different operators with example.	CO2 L2 6M
	b	Write the uses of membership of different Expressions by evaluating them.	CO2 L2 6M

UNIT-III

5		Explain about different types of inheritance in Python.	CO3 L2 12M

OR

6	a	Create Recursive function to find factorial of a number.	CO3 L6 6M
	b	Define function to do all arithmetic operations.	CO3 L5 6M

UNIT-IV

7		Write a program in Python? Explain the use of package in your program with an example code.	CO4 L1 12M

OR

8	a	Explain errors and Exception Handling in Python programming.	CO4 L4 6M
	b	Explain about user-defined exceptions.	CO4 L2 6M

UNIT-V

9	a	What is Data Management and Object Persistence? Explain in detail.	CO5 L1 6M
	b	Describe the GUI using python program.	CO4 L2 6M

OR

10		Discuss about Multidimensional Structure of python.	CO5 L2 12M

*** END ***