

## Course Name: Python Programming

### Course Outcomes (COs):

At the end of the course the student should be able to:

1. Explanation of the basic structure and functionality of Python Programming.
2. To develop Python programming with conditional and loop statement.
3. Define Python data structure and function.
4. Input and output operation in a file.
5. Searching, sorting and merging in Python..

Model Question Paper for End Semester Examination				
Course Code:			Course Title: Python Programming	
Duration: 2 hrs			Max. Marks: 50	
Ques. Num	Question (Attempt any four)	Marks	CO	B L
1				
a	Explain programming cycle of python.	2.5	CO1	1
b	Explain different type of python IDE.	2.5	CO1	1
c	Describe the type conversion in python.	2.5	CO1	1
d	Describe different types of operators in Python.	2.5	CO1	4
e	Differentiate between expression and token.	2.5	CO2	2
2				
a	What is conditional operator in Python?	2.5	CO2	2
b	Define working of If-Else statement & Nested-If-Else statement.	2.5	CO2	3
c	Explain the different loop structure in Python programming.	2.5	CO2	1

<b>d</b>	What are breake and continue statements in Python.	2.5	CO2	1
<b>e</b>	What do you mean by flow chart? How it can be implement in Python?	2.5	CO2	2
<b>Ques Num 3</b>	<b>Question (Attempt any two)</b>	<b>Marks</b>	<b>CO</b>	<b>B L</b>
<b>a</b>	What is function and also explain the execution of function in Python programming?	5	CO3	2
<b>b</b>	What is Python data structure? Also explain the tuples and list with example.	5	CO4	2
<b>c</b>	Explain unpacking sequence, mutable sequence and dictionary with suitable example.	5	CO3	5
<b>Ques Num 4</b>	<b>Question (Attempt any two)</b>	<b>Marks</b>	<b>CO</b>	<b>B L</b>
<b>a</b>	WAP in Python to generate prime number also write an algorithm for it.	5	CO4	5
<b>b</b>	Explain file input and output operation and also write program for it.	5	CO4	2
<b>c</b>	Define abstract data type and ADT interface in Python and also explain class and its object.	5	CO5	2
<b>Ques Num 5</b>		<b>Marks</b>	<b>CO</b>	<b>B L</b>
<b>a</b>	WAP for fabonacci series and recursive Tower of Hanoi problem.	5	CO5	4
<b>b</b>	Explain sorting and WAP for selection sort and merge sort	5	CO5	2
<b>c</b>	WAP for simple search and estimating simple search time and binary search and estimating binary search time.	5	CO5	4

