

MODEL QUESTIONN PAPER					
Outcome Based Education (OBE) and Choice Based Credit System (CBCS)					
B.E. in Biotechnology					
Course Name: PYTHON PROGRAMMING			Course code: BBT305A		
Third Semester BE Degree Examination Jan/Feb 2024					
Time : 3 hours			Max marks: 100		
Note : answer any FIVE full questions, choosing ONE full questions from each module					
<u>Module-1</u>					
1	a.	What is flowchart? Draw Common symbols used in flow chart along with description list.	CO1	L1	10
	b.	Outline the Towers of Hanoi problem with relevant diagrams and describe the algorithm of Towers of Hanoi.	CO2	L2	10
or					
2	a.	What is pseudocode? How common keywords used in pseudocode. Write a pseudocode to print all natural numbers up to n.	CO1	L1	10
	b.	Define Algorithm. Explain the building blocks of algorithm.	CO2	L2	10
<u>Module-2</u>					
3	a.	Briefly explain precedence of operators with examples	CO1	L1	5
	b.	Explain the following i) Flow of execution, ii) Parameters and arguments. iii) Modules	CO2	L2	15
or					
4	a.	Explain function definition and use	CO1	L1	5
	b.	Explain the following i) Difference Between Compilers and Interpreters ii) Different data types in Python iii) Types of interpreters in Programming	CO2	L2	15
<u>Module-3</u>					
5	a.	Explain in detail about iterations with suitable example.	CO2	L2	10
	b.	Apply python code Exchange the values of two variables and distance between two points.	CO3	L3	10
or					
6	a.	Explain three types of conditional statements.	CO2	L2	10
	b.	Make use of Python for string slicing with and example.	CO3	L3	10
<u>Module-4</u>					
7	a.	Identify Function composition with suitable example	CO3	L3	10
	b.	Differentiate and contrast linear search and binary search with suitable example.	CO4	L4	10
or					
8	a.	What is fruitful function? Illustrate with an example compare fruitful function with void function.	CO3	L3	10
	b.	Analyse different methods that operate on list with examples.	CO4	L4	10
<u>Module-5</u>					
9	a.	Insert a value to a sorted list via list comprehension Python	CO3	L3	10
	b.	Analyse the various operations on dictionary with codes.	CO4	L4	10
or					

10	a.	How Tuples are used to store multiple items in a single variable.	CO3	L3	10
	b.	Analyse various operations that can be performed on tuples	CO4	L4	10