

**CONTINUOUS INTERNAL EVALUATION- 1**

Dept:CSE	Sem / Div: 5/ A & B	Sub: Application Development using Python	S Code:18CS55
Date:21/10/2020	Time: 9:30-11:00 AM	Max Marks: 50	Elective:N
Note: Answer any 2 full questions, choosing one full question from each part.			

Q N	Questions	Marks	RBT	COs
<b>PART A</b>				
1 a	Explain the following with example a. Functions b. Type Conversion Functions c. Parameter and Arguments d. Boolean Expression	8	L2	CO1
b	Write a python program to generate first n Fibonacci number and factorial of n using functions	6	L3	CO1
c	Explain local and global scope with example	6	L2	CO1
d	Write a python program to prompt the user <i>for hours and rate per hour</i> to compute gross pay. Also to give the employee 1.5 times the hourly rate for hours worked above 40 hours	5	L3	CO1
<b>OR</b>				
2 a	Define Iteration and Loop. With Syntax and Programming example explain the working and flow execution of 1. <i>While Loop</i> and 2. <i>For Loop</i> in Python. Explain what are Minimum and Maximum Loops.	8	L2	CO1
b	Discuss exception handling in Python with an example.	6	L2	CO1
c	Write a Python Programming Code to Convert Decimal to Binary, octal and hexadecimal	6	L3	CO1
d	Write a python program to find the simple interest for a given value P,T and R. The program must take the input from the user	5	L3	
<b>PART B</b>				
3 a	What are Lists? Explain with examples the different ways to create a list. Why lists are called Mutable. Discuss the following List operations and functions with examples : 1.Accessing ,changing and Slicing the List Elements 2. + (concatenation) and * (Repetition) 3. append , extend , sort , remove and delete 4. len , sum, min and max 5. split and join	9	L3	CO2
b	What are Tuples ? Explain with examples how tuples are created. Compare Tuple with list. Explain the usage of copy( ) and deepcopy( ) functions	8	L2	CO2
c	Write a Python function that takes two lists and returns True if they have at least one common member.	8	L3	CO2

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OR				
4 a	Define String? Explain how the strings are accessed , traversed, sliced and why Strings are called immutable. Explain 5 String functions with examples.	9	L2	CO2
b	What are Dictionaries? Explain with examples how the dictionaries are created. Differentiate between Key and value of the Dictionary element. Explain get( ) and setdefault( ) methods with respect to dictionary	8	L2	CO2
c	Write a Python program to get the frequency of the elements in a list.	8	L3	CO2