

Vivekananda College of Engineering & Technology, Puttur

[A Unit of Vivekananda Vidyavardhaka Sangha Puttur ®]

Affiliated to VTU, Belagavi & Approved by AICTE New Delhi

CRM08

Rev 1.10

CSE

16/11/22

CONTINUOUS INTERNAL EVALUATION - 1

Dept: CSE	Sem / Div: 5 th A & B	Sub: Application Development using Python	S Code: 18CS55
Date: 23/11/22	Time: 9:30-11:00am	Max Marks: 50	Elective: N

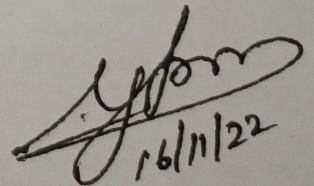
Note: Answer any 2 full questions, choosing one full question from each part.

QN	Questions	Marks	RBT	CO's
PART A				
1 a	Explain for loop with example code snippets and discuss different syntax of range() function in Python.	9	L2	CO1
b	Define a Python function with suitable parameters to generate prime numbers between two integer values. Write a Python program which accepts two integer values m and n (note: $m > 0$, $n > 0$ and $m < n$) as inputs and pass these values to the function. Suitable error messages should be displayed if the conditions for input values are not followed.	8	L3	CO1
c	Explain Local and Global Scope in Python programs. What are local and global variables? How can you force a variable in a function to refer to the global variable?	8	L2	CO1
OR				
2 a	Explain how we can handle functions in Python?. Write a python program to find sum of natural numbers using function.	9	L3	CO1
b	Define a Python function with suitable parameters to generate first N Fibonacci numbers. The first two Fibonacci numbers are 0 and 1 and the Fibonacci	8	L3	CO1

	sequence is defined as a function F as $F_n = F_{n-1} + F_{n-2}.$ Write a Python program which accepts a value for N (where N > 0) as input and pass this value to the function. Display suitable error message if the condition for input value is not followed.			
c	What is Exception Handling? How exceptions are handled in Python? Write a Python program with exception handling code to solve divide-by-zero error situation.	8	L3	CO1
PART B				
3 a	What is list? Explain the concept of slicing and indexing with proper examples.	9	L2	CO2
b	What are the different methods supports in python List. Illustrate all the methods with an example.	8	L2	CO2
c	Develop a binary search program in python.	8	L3	CO2
OR				
4 a	Discuss get(), setdefault(), item(), keys() and values() of Dictionary methods in python with examples.	9	L2	CO2
b	List out all the useful string methods which supports in python. Explain with an example for each method.	8	L2	CO2
c	Write a Python program that accepts a sentence and find the number of words, digits, Uppercase letters and lowercase letters.	8	L3	CO2

Deepthi
16/11/22

Bharathi
16/11/22


16/11/22

Prepared by: Prof. Deepthi M B / Prof. Bharathi K

HOD