## 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

«EC»

<18/7/2022>

## CONTINUOUS INTERNAL EVALUATION- 3

Dept: EC		Course:Python Application Programming	Course Code: 18EC646		
Date: 22/7/2022	Time: 3:00 to 4:30.p.m		Elective: Y		
Note: Answer any		one full question from each p	art.		

QN			Questions		Marks	RBT	COs
-			PART A				
1 a	an example (ii)Write a pytho define a class RI	n program to ECTANGLE	express ins with membe	tances as return values to ers width, height, corner_x, entre, area and perimeter of a	10	L2,L3	CO4
b	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAME	() and str	() methods	with an example program	5	L2	CO4
	table PAP_MAR (b)Write an Pyth records as shown (c)Write an Pyth students name an (d) Write an Pyth	thon program KS with field hon program in the table on program id marks who hon program	n to execute ds Name, IA n to execute to execute has scored to execute	e SQL command to create a 1 and IA2 e SQL command to Insert 4 SQL command to display the above 40 in both IA's. SQL command to display the below 24 in both IA's.			
	Table 1: PAP_MARKS						
	Name	IA1	IA2				
	Divyashree	47	50				
	Vishwajith	48	45 ,				
	Adarsh M	8	16				
	Aaron Lobo	10	14				
				OR			
	a class and how program (ii)Write a progrordinates. Create both the points.	the members am that has a e two object Add a metho h is the reflec	are accesse a class point s of this cla d reflex y to	n Python?. How to instantiate d? Illustrate with an example with attributes as X and Y co ass and find the midpoint of class point, which returns a point about the y-axis.	10	L2,L3	CO4

Prepared by:

Shivaprasad

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		-	
print(p1.reflex_y()) #prints (-5,10)			
b Write a python code to read the file(text/plain document) from web	5	L3	CO5
using urllib and retrieve the data content from the file and also			
compute the frequency of each word in the file			
c (i)Define cursor? Explain connect, execute and close command of	10	L2,L3	CO5
databases with suitable example			
(ii) What is service oriented architecture? List the advantages of the			
same			
PART B			
3 a (i)Explain operator overloading in Python with an example program.	10	L2,L3	CO4
(ii) Analyze the below program, write the equivalent class and its			
methods to implement the following code successfully	1		
data1= integer(10)			
data2=integer(20)			
print(data1+data2) #prints 30			
print(data2-data1)#prints 10			1-6-18
print(data1*data2)#prints 200			9
print(data2/data1)#prints 2.0			
In the above program data1 and data2 are the objects of the class			1
integer		7070	COF
b Explain the support for Parsing HTML using regular expression with	5	L2,L3	CO5
an example program	10	TOTO	COF
c (i) What is JSON? Illustrate the concept of parsing JSON with python	10	L2,L3	CO5
code			
(ii) Write a python script to parse the urllinks embedded in html file			
using Beautiful Soup.			
OR	10	тэтэ	COL
4 a (i) Write a Python program to create an class TIME with attributes	10	L2,L3	CO4
hour, minute and second. Create two objects of the class TIME start			
and end. Set the values of start hour=3, minute=0, second=0 and end			
hour=4, minute=30, second=0. Estimate the duration to be obtained by subtracting end from start time object.			
Expected Answer:			
print(end-start) #prints 01:30:00			
(ii)Define Polymorphism. Demonstrate polymorphism with function to			
find histograms to count the numbers of time each letters appears in a			
word and in sentence.			
bExplain the concept of pure functions with python code	5	L2,L3	3 CO4
		L2,L:	
c (i)Define socket? Write a python program that makes a connection to a	10	42,4.	5 003
webserver and follows the rules of HTTP protocol to request a plain			
text document and display what server sends back.			
(ii) Create an XML string to address your name, phone number and			
email id. Write Python script to parse the name and email from the			1
XML string.			

Shivaprasad

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