## GBCS SCHEME

	USN	TEO		18CS55
1	Trois	-	Fifth Semester B.E. Degree Examination, July/August 20	121
1/2	3	0		121
187	5	Let.	Application Development using Python	
13	Tin	ae: 3	hrs. 8	. Marks: 100
	Arm	***	Note: Answer any FIVE full questions.	
practice.	1	a. b.	Explain string concatenation and string replication operator with an example. Illustrate the use of break and continue with an example.	(05 Marks) (05 Marks)
$42\pm 6 - 30$ , will be ucated as majoracing		c.	With the flow chart, explain the flow control statements while, for and elif. I program to check whether the given number is positive, negative or zero.	
on oc me	2	a.	What are functions? Define python function with parameter and return state python function to generate the factorial of a number.	ement. Write a (07 Marks)
– 50, w		b. c.	Explain local and global scope with suitable example.  Define exception handling. How exceptions are handled in python? Write a p	
0+7+,"			to solve divide by zero exception.	(08 Marks)
de ueint	3	a.	Explain negative indexing, slicing, index(), append(), insert() and sort( suitable example.	(12 Marks)
IS WI		b.	Write a python program to generate the following pattern using String center(	) method.
atioi			*	
edn				
1 /or			_*****	
r and			*****	(08 Marks)
uato				
to eval	4	a.	What is dictionary? How it differs from list? Write a program to count occurrences of each character in string.	(08 Marks)
appeal		b.	Define tuple data type. List out the differences between Tuple and list. Crear numbers and convert it into a tuple.	(06 Marks)
ation,		c.	Write the output of the following:  (i) 'Hello'.upper.isupper()	
ntific			(ii) 'Hello'.upper().lower()	
2. Any revealing of identification, app			(iii) '-'.join ('There can be only one'.split())	(06 Marks)
evealin	5	a.	Describe Greedy, Non greedy pattern matching and findall() method of Re suitable code snippet.	(07 Marks)
ruy 1		b.	Write a python program to demonstrate file reading and writing process.	(06 Marks)
2. A		c.	List out the difference between shutil.copy() and shutil.copytree() method. move, rename is deleting files and folders in shutil module with example.	(07 Marks)
	6	a.	Write a python program to extract the American phone number (eg. 415 email in a given string using Regular Expressions.	-555-4242) and (06 Marks)
		b.	Define assertions. Explain how assertions can be used in traffic light simulat	
		C.	code snippet.  List out the benefits of compressing a file. With code snippet, explain readin from a zip file.	,
			nom a Piloma.	,

7	a.	Explain operator overloading with example.	(07 Marks)	
	b.	Illustrate the concept of pure functions and modifier using python code.	(10 Marks)	
	c.	Explain init() method with example.	(03 Marks)	
			11	
8	a.	Define classes and objects in python. Create a class called Employee and initial	lize it with	
		emp id, name and salary. Write the methods to set values for name, salary and	display the	
		employee details.	(08 Marks)	
	b.	Illustrate the concept of inheritance with example.	(06 Marks)	
	c.	Explain Type-based dispatch with example.	(06 Marks)	
	0.	Explain Type cased disparen		
9	a.	What is JSON? Briefly explain the json module to read and write JSON data	with code	
		snippet.	(07 Marks)	
	b.	Explain the process of downloading files from the web with the requests module and saving		
	٥.	downloaded files to the hard drive with suitable examples.	(08 Marks)	
	c.	Write short notes on encrypting pdf files.	(05 Marks)	
10	a.	Explain how to retrieve a web page element from a BeautifulSoup object using	ng select()	
	-	Method.	(10 Marks)	
	b.	Illustrate with example how do you create and save excel document.	(05 Marks)	
		TYPE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(05 Marks)	
	C.	With code shipper explain the process of reading data from a co		

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