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(i) (ii) Copying files and folders

Moving files and folders

(iii) Permanently deleting files and folders

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18CS55

(06 Marks)

Fifth Semester B.E. Degree Examination, June/July 2023 Application Development using Python

Time: 3 hrs. Max. Marks: 100

N	ote: Answer any FIVE full questions, choosing ONE full question from each mo	dule.
	Module-1	
a.	Demonstrate with example print(), input() and string replication.	(06 Marks)
b.	List the salient features of python programming language.	(06 Marks)
c.	Explain local and global scope in python programs. Illustrate different scenario	os with an
	example.	(08 Marks)
		(00 11111113)
	OR	
a.	What are Comparison and Boolean operators? List all the comparison and Boolean	n operators
	in python and explain the use of these operators with suitable examples.	(06 Marks)
b.	Define a python function with suitable parameters to generate prime number be	etween two
	integer values m and n (note $n > 0$, $m > 0$ and $m < n$). Suitable error messages	s should be
	displayed if the conditions for input values are not followed.	(06 Marks)
c.	What is Exception handling? How exceptions are handled in python? Write a pyth	hon code to
	solve divide-by-zero error situation.	(08 Marks)
		(00 1/14/185)
	Module-2	
a.	What is Dictionary in Python? How is it different from list data type? Exp	lain how a
	for-loop can be used to traverse the keys of the dictionary with an example.	(06 Marks)
b.	Write a python program that accepts a sentence and find the number of wo	
	uppercase letters and lowercase letters.	(06 Marks)
c.	Illustrate the procedure to add Bullets to Wiki Markup with code snippets in pytho	on.
		(08 Marks)
		,
	OR	
a.	Write python program to create a user defined function to find maximum and	l minimum
	letter in string. Also find the length of the string without using inbuilt function.	(06 Marks)
b.	With example code, explain join() and split() string methods.	(06 Marks)
C.	Discuss the following dictionary methods with examples:	
	(i) get() (ii) items() (iii) keys() (iv) values()	(08 Marks)
	Module-3	
a.	Describe the following with suitable code snippet:	
	(i) Greedy and non-greedy pattern matching	
	(ii) findall() method of Regex object.	(08 Marks)
b.	With code snippet, explain saving variables using the shelve module and PPrint	Pformat()
	function.	(06 Marks)
C.	Explain the following file operations in Python with suitable examples:	

OR

			OR	
	6	a.	What is meant by compressing files? Explain reading, extracting and creating ZIP	files with
			code snippet.	(08 Marks)
		b.	List out the different character classes and its representation also regular expression	on symbol
				(06 Marks)
		c.		(06 Marks)
				(001:101115)
			Module-4	
	7	a.	What is class? How do we define class? How to instantiate the class and men	nhere are
	,		10	
		b.		(08 Marks)
				(06 Marks)
		C.	Explaininit andstr methods with an example.	(06 Marks)
			OD	
	0	_	OR OR	
		a.	T11	(08 Marks)
		b.		(06 Marks)
		C.	Define polymorphism. Demonstrate polymorphism with function to find histogram	
			the number of times each letter appears in a word and in sentence.	(06 Marks)
			A Y	
			Module-5	
	9	a.		(08 Marks)
		b.	Describe the getText() function used for getting full text from a .docx file with	example
				(06 Marks)
		c.	Write a python program to access cell in a worksheet.	(06 Marks)
			OR O	
1	10	a.	Demonstrate JSON module with python program.	(08 Marks)
		b.	How do we extract, decrypt, copy and encrypt PDF files in Python?	(06 Marks)
		c.	Explain Selenium's web drive methods for finding elements.	(06 Marks)

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