

MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)
(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section2(f) & 12(B)of the UGC act, 1956

II B.Tech II Sem Regular End Examination, July 2022 Python Programming

(CIVIL/ECE)

Time: 3 Hours. Max. Marks: 70

Note: 1. Question paper consists: Part-A and Part-B.

- 2. In Part A, answer all questions which carries 20 marks.
- 3. In Part B, answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART- A

(10*2 Marks = 20 Marks)

1.	a)	Examine the three characteristics of all python objects?	2M	CO1	BL3
	b)	Contrast Augmented, Multiple and Multuple assignments?	2M	CO1	BL2
	c)	Given a pair of identically sized lists, write a code to process all that list data into a single dictionary. For example, given [1, 2, 3,], and ['abc', 'def', 'ghi',] generate {1:'abc', 2: 'def', 3: 'ghi',}.	2M	CO2	BL4
	d)	Given an integer value, return a string with the equivalent English text of each digit. For example, an input of 89 results in "eight-nine" being returned.	2M	CO2	BL5
	e)	Examine the File object?	2M	CO3	BL3
	f)	Name the keyword(s) which is (are) used to raise exceptions.	2M	CO3	BL2
	g)	Create a function that takes a total time in minutes and returns the equivalent in hours and minutes.	2M	C04	BL6
	h)	What is the difference between a path search and a search path?	2M	CO4	BL3
	i)	Which type of multithreaded application will tend to fare better in Python, I/O-bound or CPU-bound?	2M	C05	BL3
	j)	What are Tcl, Tk, and Tkinter?	2M	CO5	BL1

PART-B

(10*5 Marks = 50 Marks)

b)	decremented? How garbage collection is achieved through reference counting? Create a calculator application. Write code that will take two	5M	CO1	BL6
	numbers and an operator in the format: N1 OP N2, and displays the result of carrying out that operation on the input operands. Hint: You may use the string split() method, but you cannot use the eval() built-in function.	3.1	551	DEG
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OR

3 Summarize the categorization of Standard types? 10M CO1 BL5

4	a)	Create a pair of functions to convert Fahrenheit to Celsius temperature values. $C = (F - 32) * (5 / 9)$.	5M	CO2	BL6		
	b)	Write a function called getfactors() that takes a single integer as an argument and returns a list of all its factors, including 1 and itself.	5M	CO2	BL5		
OR							
5		Compare List and Tuple. Process the addition and multiplication of a pair of M by N matrices.	10M	CO2	BL5		
6	a)	Write a sample of code for the contents of the first file should be copied to the second file (use command line arguments).	5M	CO3	BL5		
	b)	Write a outline on Exceptions and the sys Module.	5M	CO3	BL3		
		OR					
7		Demonstrate the creation of your own exceptions?	10M	CO3	BL3		
8	a)	Discuss on variable length arguments with example script?	5M	CO4	BL2		
	b)	List and Examine the module built-in functions?	5M	CO4	BL3		
	OR						
9		Discuss on modules, namespaces and importing modules?	10M	CO4	BL2		
			74				
10	a)	Develop a GUI application using Tkinter module?	5M	CO5	BL5		
	b)	Develop an application using thread module.	5M	CO5	BL5		
OR							
11		Design a List directory GUI application using Tkinter module?	10M	CO5	BL5		

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SET-1

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Course Code: 2040505