## DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

## **Regular End Semester Examination – Summer 2022**

Branch : Electrical Engg Semester :VIII

Course: B. Tech.

	Subject Code & Name: BTEEP801:5 The Joy Of Computing using Python			
	Max Marks: 60	Date: 07/07/2022	Duration: 3.45 Hr.	
	which the question 3. Use of non-progra	D-7 (-)	t of the question. owed. n it clearly.	
Ο 1	Solve Any Two of the fol	lowing V	(Level CO) M	iarks
Q. 1 A)	·	20 8 7 3 8 8 8 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		6
B)				6
	Write the syntax of for and while loop.			
C)	the number is divisible be divisible by b but not a, a divisible by both a and b	tes from numbers 1 to 100, displays a but not b, displays "buzz" if and displays "fizzbuzz" if the numbers and b are inputs taken from the lawing	the number is mber is	6
Q.2	Solve Any Two of the fol	5 75 72 22 79 75 75 75 75 75 75 75 75 75 75 75 75 75		•
A)	Explain crowd computing	8 4 8 6 6 8 1 V X 4 6 8 8 9 V		6
B) C)	operations on the list.	ing appropriate examples, perf whether the input year is a leap		6
		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
Q. 3	Solve Any Two of the fol	lowing.		
A)	What is the magic squar			6
B)	Write a program to define dictionary where the key and the values are square	he magic square of size 3.  ne a function named printDict() to a sare numbers between 1 and notes of the keys. The function print is a sare in the same and the same area of the keys.	(both included)	6
<b>C</b> )		ere n is an integer number).  Using the bubble sort algorithm	m, sort the list	6
Q.4	Solve Any Two of the fol	lowing.		
<b>A</b> )	What is recursion? Wri	te code for factorial of input num	ber.	6
<b>B</b> )	What is difference between	en binary search and linear sear	ch?	6
<b>C</b> )	What is the dictionary in dictionary. 1)get() 2) key	Python? Describe the functions s() 3)values() 4)items()	of a	6
Q. 5	Solve Any Two of the fol	lowing.		
<b>A</b> )	Write a program that ac	cepts a sequence of lines as input	and prints the	6

- lines after making all characters in the sentence capitalized.
- B) What is the difference between list and tuples in Python?
- C) Write a program to generate a matrix having R rows and C columns such that all the numbers are in increasing order starting from 1 in a row-wise manner. (Where R=3 and C=3, print the output).

\*\*\* End \*\*\*

6

6