## Department of Electrical Engineering Mid – Term Assignment Spring 2020

Date: 25/06/2020

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Course Title:	Programming Fundamentals	Module:	02
Instructor:	Sir Muhammad Waqas	Total Marks:	50

## **Student Details**

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Q1.	(a)	Write Python code that asks the user for two integer values, it must then add the largest number times the smallest. The output should be in the following manner.	Marks 5 CLO 1
		times the sintailest. The output should be in the following mainler.	CLO
		Enter Number 1 : 5	
		Enter Number 2 : 3	
		Answer = 5+5+5 = 120	
	(b)	You are asked to make a times table program in Python where a user will enter starting value,	Marks 5
	(-)	ending value and the value to find the times table for. For example	CLO 1
		Input Starting Value : 2	
		Input Ending Value : 4	
		Input Times Table : 4	
		$4 \times 2 = 8 \\ 4 \times 3 = 12$	
		$4 \times 3 = 12$ $4 \times 4 = 16$	
Q2.	(a)	Write programs in Python to make the following shapes using LOOPS,	Marks 14
Q2.	(4)	write programs in 1 years to make the following shapes using 20018,	CLO 1
		a) *****	
		*****	
		*****	
		h) *	
		b) * **	
		***	
		****	
		****	
Q3.	(a)	Write a program in Python where a user is asked for 10 numbers, each number must be shown as	Marks 3
		ODD or EVEN respectively.	CLO 1
	(b)	You have the following python code, draw the flow chart of the whole code	Marks 3
		nterms = int(input("How many terms? "))	CLO 1
		$     \begin{array}{l}             n1, n2 = 0, 1 \\             count = 0     \end{array} $	
		if nterms $\leq 0$ :	
		print("Please enter a positive integer")	
		elif nterms == 1:	
		print("Fibonacci sequence upto",nterms,":")	
		print(n1)	
		else:	
		print("Fibonacci sequence:")	
		while count < nterms: print(n1)	
		$ \begin{array}{c} \text{print(n1)} \\ \text{nth} = \text{n1} + \text{n2} \end{array} $	
		$ \begin{array}{c c} n(1-n) & n \\ n & 1 = n2 \end{array} $	
		n2 = nth	
		count += 1	

## **Answer Sheet**

	(1) (2)	
	QN01:-	
	Port A:-	
	INVITE PYTHON CODE	
	-mat asks me user fox two	
	integer , 3t must then add	
	the largest number times.	
	the smallest.	
	Solution 8-	
	a = int (input ("Enter Frist Mumber="))	
		1
	b = Int [input["Enter and Number=11]	,
	Sum = 0	
	IF O>b:	
	For x in range (b):	
	Sum = a+sum	
	point ("Answer=", Sum)	
	PISP:	
	For x in range (a):	
	Sum = b + sum  Print ("Answer =" sum)	
10	Point Cluswer = sam	











