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

Date: 13/04/2020

## **Course Details**

Course Title:	Programming Fundamentals	Module:	02
Instructor:	ENGR.SIR WAQAS	Total Marks:	30

## **Student Details**

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**DEPTT**. BE(E) **SEMESTER:** 2ND

Q:1	(a)	Write a program in python where you input two integer values from user and determine if the	Marks 5
		first integer is the multiple of the second integer.	CLO 1
	(b)	Write a program in python for a shopping mall to determine if the customer has exceeded the	Marks 5
	, ,	credit limit on a charge account.	CLO 1
		Program should input the following facts in five variables	
		1. Account number	
		2. Balance at the beginning of month (Beginning balance)	
		3. total of all items charged by customer this month (charges)	
		4. total of all credits (credits)	
		5. allowed credit limit	
		Calculate the new balance	
		New balance = Beginning balance + charges – credits	
		Your program must determine if the new balance exceeds the allowed credit limit. If credit	
		limit is exceeded then program should display the message "Credit Limit exceeded."	
Q2.	(a)	1. Steps that involve precise sequence to solve a problem is called	Marks 14
		a. Statement b. Program	CLO 1
		c. Utility d. Routine	
		2. In an if structure statements are executed only,	
		a. When the condition is false  b. When it contain arithmetic operators	
		c. When it contain logical operators d. When the condition is true	
		3. Which of the following can not be a variable name?	
		a. area barea	
		c. 10area d. area2	
		4. Which loop process is best when the number of iterations is known?  a. for  b. while	
		***	
		c. again d. all looping processes require that the iterations be known	
		5. Which special character is in the end of a string to indicate the end?	
		a. new line  b. tab	
		c. null d. carriage return	
		6. A total of bytes are occupied by the following variable.	
		txt = "programming fundamentals"	
		7. Commenting the code	
		7. Commenting the code	

		a. Makes a program easy to b. Make programs heavy, i.e. more	
		understand for others. space is needed for executable.	
		c. Makes it difficult to compile d. All of the given options	
Q3.	(a)	Write a program in python that will create and display the following series in the output using	Marks 2
		the formula $2x^2 - 3x$ :	CLO 1
		65, 44, 27, 14, 5, 0, -1, 2, 9, 20	
	(b)	You have the following python code, draw the flow chart of the whole code	Marks 3
		numbers = range(10,20)	CLO 1
		sum = 0	
		for i in numbers:	
		sum = sum + i	
		print("Total Sum = ", sum)	

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SUBJECT: PROGRAMMING FUNDAMENTALS

INSRUCTOR: ENGR.SIR WAQAS

	QNO.1(a)	
	Aus:-	
	def is multiple (x, y):=	
Militaria	if x! = 0 and (y %x) = 0	
	Print ("Yrue")	
	else:	
	Print ('japlse")	
		7
	Print ("A programme in python")	)
	x = int(input("enter a number:	']]
	y = int(input("enter : to multiple:	//
	is multiple (n, y)	//
Name and the Art of the Street		
Superior Production Inc. of Street		

	QNO.2 (a)
	1 (Ans) = Programme
	(2) Ans = when The condition is true
15	
	3 (Ans) = 10 area
	4(pns) = For
	5 (Ans) = null
	1 10
	6 (Ons) = 21+1=22
	7 (Aus) = make a programme easy to understand for others.
	to understand for others.

