Reg No.:______ Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

FIRST SEMESTER B.TECH DEGREE EXAMINATION(S), MAY 2019

Course Code: BE101-05

Course Name: INTRODUCTION TO COMPUTING AND PROBLEM SOLVING

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Max. Marks: 100 Duration: 3 Hours		
	PART A	Marks
1	Answer all questions, each carries2 or 3 marks. Differentiate system software and application software.	(3)
2	Give the roles of PC, IR and MAR.	(3)
3	What are the properties of a good algorithm?	(3)
4	Draw a flowchart to find area of a triangle.	(3)
5	Write the syntax of chained conditional statement. Explain with an example.	(3)
6	Give the output for the following program segment:	
	for c in "PYTHON":	
	print (c)	
	else:	(3)
	print ("Done")	, ,
	What will be the output if print (c) is followed by a break statement in the for	
	loop?	
7	Write a Python program using function to convert an integer to a string.	(3)
8	How will you use sqrt() and log() functions in your program. Explain with an	(2)
	example.	(3)
9	Write a program to check if the word 'orange' is present in the string "This is	(2)
	orange juice".	(2)
10	For the dictionary given below, identify the key-value pairs. Also give the Python statements to print keys and values of the dictionary separately. Dict=['name':'john','age':25,'salary': 28000]	(3)
11	Consider the list scores = [5, 4, 7, 3, 6, 2, 1] and write the Python code to perform the following operations: i) Insert an element 9 at the beginning of the list. ii) Insert an element 8 at the index position 3 of the list. iii) Delete an element at the index position 4.	(3)
12	Predict the output. Justify your answer A=20 B=0	(2)
	C=A/B	(2)
13	print C Explain any three inbuilt exceptions.	(3)

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type.

b) Write a Python program to read a text file and display all the palindromes in the file. (7)
