Reg No.:_____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
FIFTH SEMESTER REGULAR AND THIRD SEMESTER SECOND YEAR DIRECT MCA
DEGREE EXAMINATION(S) MAY 2019
Course Code: RLMCA369
Course Name: PYTHON PROGRAMMING

Max. Marks: 60   Duration: 3 Hours

PART A
Answer all questions, each carries 3 marks.   Marks

1	What is list comprehension? Write an example.	(3)
2	What are lambda functions?	(3)
3	Write a python program to compare two files.	(3)
4	What is data hiding?	(3)
5	Write a python program to retrieve all lines containing ' the' with lower or upper case letters.	(3)
6	How to connect MySQL from python?	(3)
7	What are Web Services?	(3)
8	What advantages do NumPy arrays offer over Python lists?	(3)

PART B
Answer six questions, one full question from each module and carries 6 marks.
Module I

9 a) What is the difference between tuple and list in python?   (6)

   b) Write a program that takes any two lists L and M of the same size and adds
       their elements together to form a new list N whose elements are sums of the
       corresponding elements in L and M.

OR

10   Create a dictionary whose keys are month names and whose values are the   (6)
     number of days in the corresponding months.

   a) Ask the user to enter a month name and use the dictionary to tell them how
       many days are in the month.

   b) Print out all of the keys in alphabetical order.

   c) Print out all of the months with 30 days.

Module II

11 a) What is the purpose of import statement in python? (2)

b) Write a python function to check whether a number is in a given range. Import (4)
the module to input a number and check whether the number is in a given range.

OR

12 Explain different argument passing mechanisms in python with suitable (6)
examples.

Module III

13 a) Explain all the file processing modes supported by Python? (4)

b) How to display the contents of text file in reverse order? (2)

OR

14 Explain the concepts of Method overriding and Polymorphism with example. (6)

Module IV

15 a) What are option flags? Give example. (3)

b) Write a program to retrieve lines that contain a word of any length that starts
with s and ends with e. (3)

OR

16 Write a complete Program in python to do all operation on a database table and (6)
explain with an example.

Module V

17 What is Python Web Client Tools, Explain in detail? (6)

OR

18 Write any four Tkinter widgets. Explain with a suitable example. (6)

Module VI

19 a) What are the advantages of using Django for web development? (3)

b) Explain the use of session in Django framework? (3)

OR

20 What is Django? What are the features available in Django web framework? (6)

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