PC1585

[6328]-57

T.Y.B.Sc. (C.S.)
CS - 3510 : PYTHON PROGRAMMING
(Revised 2019 Pattern) (Semester-V)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:
1) *All questions are compulsory.*
2) *Figures to the right indicate full marks.*

Q1) Attempt any Eight of the following :

[8×1=8]

a) Explain features of python.

b) What is purpose of range ( ) function.

c) What is indentation.

d) Define anonymous function.

e) Compare List and dictionary.

f) Define text and binary files.

g) What is lamda function.

h) Explain Exception with syntax.

i) Compare for and while loop?

j) What is regular Expression.

Q2) Attempt any Four of the following :

[4×2=8]

a) What is package? How to create it? Explain with example.

b) Explain built in string methods with example.

c) Explain following Statements.

   i)   If   ii)   If else

   iii) break   iv)   Continue

d) What is difference between call by value and call by reference.

e) Explain set union and intersection with example.

P.T.O.

Q3) Attempt any Two of the following : [2×4=8]

   a)   Write a python program to find sum of natural numbers.

   b)   Write a python function to check whether a number is perfect or not.

   c)   Write a python program to convert a list to a tuple.

Q4) Attempt any Two of the following : [2×4=8]

   a)   Write python program to accept the strings which contains all vowels.

   b)   Write a python program to computer the number of characters, words and lines in file.

   c)   Write a python program to check number is odd or even.

Q5) Attempt any One of the following : [1×3=3]

   a)   def myfun(name, msg = "Good morning") :

           print("Hello", name + ',' + msg)

        myfun("Amar")

        myfun("Kiran", "How do you do")

   b)   try :

           a = 5

           b = 0

           print(a|b)

        except Type Error :

           Print('unsupported operation')

        except zero division Error;

           print('Division by Zero not allowed')

           print('out of try except blocks')

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