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T.Y.B.Sc. (Computer Science)

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) *Figure to the fight indicate full marks.*

Q1) Attempt any Eight of the following (out of Ten) **[8×1=8]**

 a) What is the purpose of range ( ) function?

 b) What is a list? Explain with suitable example.

 c) What is copysing ( ) function?

 d) How are tuples created?

 e) What is a uniform ( ) method?

 f) How to create a package?

 g) What is a 'wb' mode in file?

 h) What is the use of finally block?

 i) Give the use of index ( ) method of string.

 j) Python is a scripting language comment.

Q2) Attempt any four of the following (out of five) **[4×2=8]**

 a) Explain the filter function with example

 b) Explain any two list methods with example

 c) Explain any two basic string methods.

 d) Explain the concept of slicing with suitable example

 e) What are modules? Explain with example how to import modules.

Q3) Attempt any two of the following (out of Three) [2×4=8]

a) Which methods are used to read from file? Explain any two of them with example.

b) Write a python program to check if a given string as palindrome or not.

c) Write a program to find GCD of number using recursion.

Q4) Attempt any two of the following (out of Three) [2×4=8]

a) List the various methods of re package explain any two methods in detail with example.

b) Write a python program to find sum of digits of a number (Accept number from user)

c) Write a python program to append the contents of file 2 to file 1. Acept file names from user

Q5) Attempt any one of the following (one of two) [1×3=3]

a) What will be the output of the following code

r = lambda q : q*2

s= lambda q : q*3

$x = 2$

$x = r(x)$

$x = s(x)$

$x = r(x)$

print (x)

b) What will be the output of the following.

code

```
count = 1
def do This ( ) :
global count
for i in (1 , 2, 3)
    Count + =1
do This ( )
print (Count)
```