SHIVAJI COLLEGE, UNIVERSITY OF DELHI
DEPARTMENT OF COMPUTER SCIENCE
INTERNAL TEST (Academic Year 2023-24)

Name of the Course: Generic Elective   Semester: Ist
Name of the Paper: Programming with Python   Paper Code: 2344001102
Faculty Name :   Dr. Ritu Meena   Duration: 2 hour
Maximum Marks: 24   Date of Test: 21ᵗʰ November 2023

Class Test-2

SET-1

1. Write three differences between list and tuple data structure used in python. (3)
2. For the given string testStr = fun, perform the following "Programming is tasks using built-in functions(4)

(i)   Replace the word 'fun' with 'easy' and print the new string

(ii)   Using len() function, print the middle character present in testStr string

3. Construct logical expression for representing the following conditions: (3)
    i.   Salary is greater than 35000 and less than 45000.
    ii.   Gender is female or Age is less than 65.
    iii.   Length of variable name is greater than 15.

SET-2

1. Write a python function findMax(), that take two integer parameters and return the maximum of the both numbers. (3)

2. With the help of suitable examples define a dictionary object and explain the purpose of **items()** and **values()** methods used for dictionary objects. (5)

3. Identify valid and invalid identifiers as given below state the reason of invalid identifiers. (2)
    i.   Totle_Marks
    ii.   Dob
    iii.   else
    iv.   Address 99

SET-3

1. When should we use 'set' data structure? Show how any two built-in functions used for 'set' data type. (5)

2. Write the output of the following string functions on the given string colors: (5)
            colors = 'Red, green, blue, Red, Red, green'
    i.   print(colors.find('red'))

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