Rollno:-_____

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Shree Damodar College of Commerce & Economics, Margao-Goa

SY Bvoc(Software Technology) : Supplementary Examination August 2022 : 2022

Python Programming(STG 401)

Duration: 2 Hours

Max Marks: 60

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Instructions: i)*All questions are compulsory.*

ii) *Figures to the right indicate full marks.*

Q1)Answer any Five of the following   (5*2=10)
a) List the features of Python language.
b) State the difference between Dictionaries and Tuples.
c) State the difference between List and Arrays.
d) How does swap work in Python?
e) What is Bytecode in Python?
f)What are Keywords in Python?
g)What is an Interpreted language?

Q2) Answer any Five of the following   (5*2=10)
a)What is the output of print str[2:5] if str = 'Hello World!'?
b)What is the output of print tuple[1:3] if tuple = ('bvoc', 786 , 2.23, 'sanjay', 70.2)?
c)What is the purpose of Break statement in Python?
d)What is the output of ['Hi!'] * 4?
e)What are membership operators?
f)What is a control flow statement?
g)Given the first and last names of all employees in your firm, what data type will you use to store it?

Q3) Answer the following   **(10)**
A)What is Scope in Python?   (5)
B)Write a Program to illustrate different methods in list.   (5)
                                           OR
C)Write a Program to illustrate different methods in Tuples.
                                                                                                                    (5)

Q4) Answer the following   **(10)**
A) What are the common built-in data types in Python?   (5)
B)Write a Program to illustrate different Dictionaries Methods.   (5)
                                           OR
C) Write a Program to display the content of the files.
                                                                                                                    (5)

Q5) Answer the following
A)Write a Program for swapping of two numbers.   **(10)**
B)Write a Program to calculate a Factorial of a Number from 1to 10 .   (5)
                                           OR   (5)
C) Write a Program to generate list of Armstrong number in 1 to 1000.
                                                                                                                    (5)

Q6) Answer the following (10)

A)Write a Program to execute the Bubble sort. (5)

B) Write a Program to retrieve the employees information from the list. (5)

<div align="center">**OR**</div>

C) Write a Program to count how many times an element has occurred in the list . (5)

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