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Shree Damodar College of Commerce & Economics, Margao-Goa
SY Bvoc(Software Technology) Semester-IV Semester End Examination June 2022
Python Programming(STG 401)

Duration: 2 Hours   Max Marks: 60

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)What is dynamically typed language?
b) List the features of Python.
c) State the difference between C and Python.
d) What is the difference between .py and .pyc files?
e) State the difference between Arrays and lists?
f)How does break and continue work?
g)What is slicing in Python?

Q2) Answer any Five of the following   (5*2=10)
a) Define Tuples.
b) Define Dictionaries .
c) Differnce between list and Tuples .
d) Name the three modes in which file can be opened in python.
e) What is the difference between r+ and w+ mode?
f)Write a statement in Python to declare a dictionary whose keys are 1, 2, 3 and values are Jan, Feb
and Mar respectively.
g)Write the output of following code:
```
sales = {'Audi':45, 'BMW':32, 'Ferrari':12}
for x in sales:
   print(x)
```

Q3) Answer the following   (10)
A) Explain the loops in Python?   (5)
B) Write a Python Program to Calculate the Average of Marks in a Given List   (5)
                              OR
C) Explain the Concept of File Handling in Python   (5)

Q4) Answer the following   (10)
A) What will be the output of the following code snippet and explain the working of it?   (5)
```
arr = [[1, 2, 3, 4],
    [4, 5, 6, 7],
    [8, 9, 10, 11],
    [12, 13, 14, 15]]
for i in range(0, 4):
   print(arr[i].pop())
```

B)   What will be the output of the following code snippet and explain the working of it?

a=[1,2,3,4,5]

print(a[3:0:-1])   (5)

OR

C) What will be the output of the following code snippet and explain the working of it?
a=[1,2,3,4,5,6,7,8,9]
print(a[::2])   (5)

Q5) Answer the following   **(10)**
A) Explain Dictioanries in Python ?   (5)
B) What is a lambda function? Give an example of when it is useful and when it is not. (5)
OR
C) Explain the List , illustrate with different methods.   (5)

Q6) Answer the following   **(10)**
A) Write a Program to insert elements from keyboard into the tuples and finding elements. (5)
B) Write a Program to illustrate different Dictionaries Methods.   (5)
OR
C) Write a Program to create a Dictionaries with cricket players names and scores. (5)

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