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Ramacrisna Madeva Salgaocar Higher Secondary School

Margao Goa

Std: XII VOC – CT   Mid Term Exam, August, 2024   Duration: 1 hr.

Date: 08/08/24   Subject : Software Technology   Marks:20

Instructions :   1) Answer all the questions as directed.

2) Write the number of questions clearly.

Section A

Question numbers from 1 to 4 carry one mark each.

1) Name any two data types in python that are mutable?

2) Which string method returns true if string contains only letters and numbers

3) For i in range(1,13,2), How many times will this for loop executed in python?

4) Which dictionary method returns the content of a dictionary as a list of key value pairs

Section B

Question numbers from 5 to 9 carry two mark each.

5) Explain the methods used to append values to dictionaries.

6) Explain the use of has_key() in dictionaries.

7) Given mylist=['red', 'green', 'black', 'purple'], what would len(mylist) and mylist[1:3] return ?

8) Explain Traversing a dictionary using for loop with an example.

9) Write the output for the following

```
codeA={"mon":"monday","tue":"tuesday","wed":"wednesday","thu":"thursday"}

del A["tue"]

print(len(A))

print(A.values())
```

Section C

Question numbers from 10 to 12 carry three mark each(answer any two)

10)Write the python program to input 'n' names and phone numbers to store it in a phonebookdictionary. Input any name and display phone number if found.

11)   Write the python program to input any 5 years and the population of any city to store it in a population dictionary . Arrange the entries in ascending order and display all information on the output screen.

12)Write the python program using dictionary to accept the rollno and total marks scored Out of 100 by 'n' students,print the rollnos and marks of the students whose score is greater than 60.