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Shree Damodar College of Commerce & Economics, Margao-Goa
SY B.Voc.(ST), Semester-IV, Supplementary Examination June 2023
Python Programming (STG401)

Duration: 2 Hours                                                    Total Marks: 60

Instructions: 1. All questions are compulsory.
2. Figures to the right indicate **Full Marks**.

**Q1)** **Answer any 5 of the following in not more than 50 words.**                5 x 2=10

    a) Mention two modes of using python interpreter.

    b) What is the purpose of using comments in python program?

    c) Define fruitful function. Give an example.

    d) What is the use of indentation in python program?

    e) Define python list. Give an example.

    f) Explain the concept of Fibonacci series.

    g) Mention any four list methods.

**Q2)** **Answer any 5 of the following in not more than 50 words .**               5 x 2=10

    a) What do you mean by modules in python programming?

    b) What is the use of the format operator? Give an example.

    c) What do you mean by exception? Give an example.

    d) What is the goal of Google Translate?

    e) What do you mean by file modes? Mention any two file modes.

    f) What do you mean by Opinion Mining?

    g) Why PageRank is used?

**Q3)** **Answer the following.**                                                    **(10)**

    A. Give five point of differences between compiler and interpreter.        (5)

    B. Write a short note on python functions in not more than 150 words.       (5)

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

    C. Write and explain the output of the following python programming          (5)
       statements.

       i.   print (24 // 5)

       ii.  print ( float(5 ** 3) )

       iii.  a, b = b, a

       iv.  a, b, c = "Python" , "Goa", 34

       v.   a = 1

          a+=5

          print (a)

**Q4) Answer the following.** (10)

    A. Explain the working of recursive function with an example. (5)

    B. Explain the working of while loop with else statement using an example.. (5)

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

    C. Write a short note on String and String operations in not more than 150 words. (5)

**Q5) Answer the following.** (10)

    A. Give any five point of differences between list and tuples. (5)

    B. Describe the following with an example (i) creating list (ii) accessing values in the list (iii) updating the list (iv) deleting the list elements. (5)

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

    C. Explain list comprehension with suitable examples. (5)

**Q6) Answer the following.** (10)

    A. How Google Translate works? What are the benefits and the cons of using Google Translate? (5)

    B. Describe the use of try block and except block in python programming with syntax. (5)

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

    C. Explain the commands used to read and write a file with an example. (5)