QP Code:UV25C012

Reg. No: ……

Name: ……..

ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20
III SEMESTER (CBCSS-VUG) DEGREE EXAMINATIONS, OCTOBER 2025
B. Voc Software Development
SDC3IT12 : PROGRAMMING IN PYTHON
2024 Admission Onwards

Time: 2.5 Hours **Maximum Marks: 80**

Section A

*Short answer type carries **2** Marks each.* ***(Ceiling 25)***

1.What is the use of the break statement in loops?

2.Write a simple Python statement to read input from the user.

3.Write a Python statement to print the first character of a string.

4.Write a Python code snippet to handle division by zero exception.

5.List out some built-in exceptions used in python.

6.Write python script to find Fibonacci series of n numbers using function.

7.Differentiate between internal and external links.

8.Write HTML code to create a table with two rows and two columns.

9.Write HTML code to create a password input field.

10.Expand CGI in the context of web programming.

11.Write a Python statement to validate if an email field is empty.

12.Write the SQL command to display all rows from a table named student.

13.Explain the difference between UPDATE and INSERT SQL commands.

14.What is the use of the cursor () function in MySQL-Python integration?

15.What is a database connection string?

Section B

*Paragraph types carries **5** Marks each.* ***(Ceiling 35)***

16. Explain the importance of functions in Python programming.

Turn Over

17. Explain the concept of classes and objects in Python with examples.

18.Write a Python program to demonstrate single inheritance.

19.Write HTML code to create an unordered list of five fruits.

20.Explain the importance of frameset and frames in HTML.

21.Explain why is data processing important in python.

22.Write a Python program to process form data and return the square of a number entered by the user.

23.Write a Python program to insert a new record into a table student. (id, name, age)

Section C

*Essay-type carries **10** Marks. Answer **any two**.*

24.Explain different types of inheritance in Python with examples.

25.Explain the structure of an HTML document with suitable examples.

26.Write HTML code to design a student registration form with fields: Name, Email, Password, Gender, Course, and Submit button.

27.Explain MySQL commands with syntax and example?

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