



RAN-2211000306026002

T.Y.B.Sc. Computer Science (Sem. - VI)

Examination September - 2025

Computer Science - VII

Python Programming - 2 (Paper - 602)

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

(૧)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. Computer Science (Sem. - VI)

Name of the Subject :

Computer Science - VII Python Programming - 2 (Paper - 602)

Subject Code No.: 2211000306026002

Seat No.:

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Student's Signature

Q-1

Answer the following questions in short. (Any Seven)

[14]

1. What is the significance of the mainloop() function in a Tkinter application?
2. Describe the difference between a Label widget and an Entry widget in Tkinter.
3. What is PYTHONPATH, and how does it affect module importing in Python?
4. What is the scope of a variable, and how does it affect variable accessibility?
5. How do you use the fetchone() method to retrieve a single row from a query result? Provide a brief code example.
6. Draw diagram for "MTV" architecture in Django.
7. How can you redirect the output of an SQLite dump to a specific file in Python? Provide a code example.
8. What is Flask, and what type of web applications is it best suited for?
9. How to dump only the structure of a table (schema) in SQLite using Python?
10. When and why you should call the commit() method after executing SQL commands.

Q.2 Write answers the following in details. [12]

1. What is the purpose of the 'pack()' method in Tkinter, and how does it differ from the 'grid()' Method?
2. Describe the attributes of Tkinter widgets and how they can be customized to enhance the user interface.

OR

1. Provide examples of at least three different widgets, explaining how each can be used in a GUI application.
2. What are the differences between the 'place()' and 'pack()' geometry managers in Tkinter?

Q.3 Write answers the following in details. [12]

1. Discuss the key components involved, such as routing, request handling, and templating in Flask.
2. Discuss the process of creating a Django application step by step.

OR

1. Describe the process of dumping an entire SQLite database into a file using Python. Include the necessary commands or functions.
2. Write detail note on CSV file Handling.

Q.4 Write answers the following in details. [12]

1. How can you create your own module in Python? Provide a simple example.
2. Explain how to connect to a SQLite database in Python and read data from a table into a CSV file.

OR

1. How can you dump the data of one or more tables from an SQLite database into a file? Provide; brief example of the code used.
2. Write code for SQLite database to perform Select, Insert, update, delete using execute () method.
