2111000103030002
B.C.A. S.Y (Sem – III)
Examination November-2023
Database Handling Using Python

Seat No:

Student's Signature

[**Time: Three Hours**]   [**Max. marks: 70**]

Q.1   **Answer in brief (any 7)**   **14**
1. What is the purpose of fetchall() ?
2. What will be the output of .mode HTML
3. Write the command to import a single function from the module
4. What is Namespace?
5. What is the use of _init_ file?
6. Explain the element of the plot in python
7. Explain the linspace() function
8. What is the use of DictReader?
9. Explain the parameters of seek() function

Q.2   (a) Explain the use of dump command to handle table, database, structure of the table.   **7**
                                                        OR
            (a) Describe various important modules of the OS.

            (b) What are the steps to handle sqlite database in python.   **5**
                                                        OR
            (b) What is cursor? When we need to use cursor in Python? Explain with Example.
            (c) What is central measures of tendency?   **2**

Q.3   (a) Explain various modes of opening the file. Perform reading operation on emp.csv file with   **7**
                 fields empid, ename, designation, salary.
                                                        OR
            (a) Explain the types of JOINS in SQLite.
            (b) Explain the types of namespace.   **5**
                                                        OR
            (b) Explain the difference between execute(),executemany() and executescript() function of
                 cursor.
            (c) What is the difference between union and unionall?   **2**

1

Q.4   (a)   Which methods used to handle CSV files? Explain with proper example.   **7**

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

      (a)   Explain steps to perform reading information about book (book_id,bname,author, price) from the user and add the record in the book_mst table. Use sqlite and python to perform these actions.

      (b)   Explain the SQLite parameterized query with suitable example   **5**

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

      (b) Explain exception handling in python.

      (c)   Which commands are used to manage a transaction in sqlite?   **2**

Q.5   Write short note (Any Two):   **14**
1. File opening modes in python
2. Dataframe functions and methods
3. Features of SQLite
4. Managing file pointer in python

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