**BOOK MANAGEMENT SYSTEM – SQL ASSESSMENT PAPER**

**Total Marks:** 100  
**Duration:** 2 Hours

**Section A – Structured Query Tasks (40 Marks)**

1. **(5 Marks)** Create the following tables with appropriate data types and constraints (Primary Key, Not Null, etc.):
   * Authors – AuthorID, Name, Country
   * Books – BookID, Title, Genre, Price, AuthorID
   * Customers – CustomerID, FullName, Email
   * Sales – SaleID, BookID, CustomerID, SaleDate, Quantity
2. **(5 Marks)** Modify the Books table to add a new column named PublishedYear.
3. **(5 Marks)** Remove the PublishedYear column from the Books table.
4. **(5 Marks)** Drop the Customers table permanently.
5. **(10 Marks)** Insert sample data (at least 3 records) into all remaining tables using proper SQL statements.
6. **(10 Marks)** Update the price of a book titled "The Silent Sea" by 10%.

**Section B – Query Execution Tasks (30 Marks)**

1. **(5 Marks)** Retrieve the list of all books with their title, genre, and price.
2. **(5 Marks)** Display the names of authors who have written more than one book.
3. **(5 Marks)** Show the total quantity sold for each book, ordered by highest quantity sold.
4. **(5 Marks)** Fetch the details of books that have not been sold yet.
5. **(5 Marks)** Display the full name and email of customers who purchased books written by authors from 'USA'.
6. **(5 Marks)** List the total sales amount (Price × Quantity) for each book, but only show books with total sales exceeding $500.

**Section C – Analytical Tasks (30 Marks)**

1. **(5 Marks)** Find the average price of books for each genre.
2. **(5 Marks)** Show the genre-wise total number of books sold, but only for genres that have sold more than 10 books.
3. **(5 Marks)** List all authors along with the number of books they have written. Include authors who haven’t written any books.
4. **(5 Marks)** Get the highest selling book's title and the total quantity sold.
5. **(5 Marks)** Write a query to display the top 2 customers who have spent the most on books (Price × Quantity).