Instructions:

- This test paper is worth 100 marks.
- You have 1 hour to complete the test.
- Use PHP and MySQLi to complete the tasks.
- Write clean, well-documented code.
- Submit the complete code files and a SQL file with the database structure and sample data.

Question 1: Setting Up the Environment (30 marks)

1. Create a MySQL database named `student_db`.
2. Create a table named `students` with the following columns:

- id (INT, Primary Key, Auto Increment)
- name (VARCHAR(100))
- age (INT)
- email (VARCHAR(100))

Insert 3 sample records into the `students` table.

Sample records:

id	name	age	email
1	John Doe	25	john@example.com
2	Jane Doe	22	jane@example.com
3	Alice Doe	20	alice@example.com

Mark Allocation:

- Creating the database and table: 15 marks
- Inserting sample records: 15 marks

Go to `student_db.sql` file write your code code for creating the database and table, and inserting sample records.

> ### ⓘ Note
>
> You should go to `phpMyAdmin` , from the menu, go to `SQL` and run the SQL file to create the database and table, and insert sample records.

Question 2: Creating a Connection to the Database (10 marks)

Write a PHP script named `db_connect.php` that establishes a connection to the `student_db` database. The script should:

- Connect to the database using MySQLi.
- Display a success message if the connection is successful.
- Display an error message if the connection fails.

Mark Allocation:

- Establishing the connection using MySQLi: 5 marks
- Displaying appropriate success or error messages: 5 marks

Go to `db_connect.php` file write your code for connecting to the database.

Question 3: Create and Display Records (60 marks)

Create a PHP script named `create_student.php` that:

- Provides a form for adding a new student with fields for name, age, and email.
- On form submission, inserts the new student record into the `students` table.

Create another PHP script named `view_students.php` that:

- Fetches and displays all records from the `students` table in a tabular format.

Mark Allocation:

- Form creation and handling form submission: 20 marks
- Inserting data into the database: 15 marks
- Fetching and displaying records: 25 marks

Go to `create_student.php` file write your code for creating a new student record.

Total Marks: 100

Submission Requirements:

- `db_connect.php`
- `create_student.php`
- `view_students.php`
- SQL file with database structure and sample data (`student_db.sql`)