Flask Final Exam

# Part A: Theory

1. Explain the difference between GET and POST requests in Flask.
2. What is the purpose of Jinja2 in Flask templates? Give an example.
3. Explain the role of Blueprints in Flask. Why are they useful?
4. How does Flask handle sessions and cookies?
5. What is JWT Authentication and why is it preferred over sessions in APIs?
6. Describe the steps involved in deploying a Flask app using Docker and Gunicorn.

# Part B: Practical

Complete the following tasks. You may use SQLite or MySQL.

1. Create a Flask app with JWT-based authentication (register, login, protected route).
2. Implement a Product CRUD API with fields: id, name, price, and image upload.
3. Protect all Product routes with JWT authentication.
4. Implement an endpoint to list all products in JSON format.
5. Add Swagger documentation for the API using flasgger.
6. Deploy your app locally with Docker and provide instructions.