Information Processing Engineer - Short Answer Practice

This document contains 10 practice questions for the Information Processing Engineer practical exam.

Focus on understanding core logic and repeating problem patterns.

[1] Draw a DFD (Level 0) for the following:

- A user signs up. The system saves data and sends an email.

[2] Write a requirement spec:

- A user searches, adds items to cart, and checks out.

- Admin can add/edit products.

[3] SQL: Get departments with AVG salary >= 3000

- Table: EMP (ENAME, SAL, DEPTNO)

[4] Convert a 1NF table to 2NF:

- Table: Order(order_no, customer_name, product_name, qty)

[5] List actors and actions from:

- Users write posts/comments. Admin deletes comments.

[6] Name 4 properties of a DB transaction.

[7] SQL: Get customers from Seoul with point >= 1000

[8] Describe pros/cons of sync API connection.

[9] Define cohesion and coupling. What's ideal?

[10] Difference between module test and integration test?