IT Programming Exam - Paper 1 (50 Marks)

Q1. Write a program to find the factorial of a number using recursion. [10 Marks]

Q2. Explain the difference between 'for' loop and 'while' loop with examples. [8 Marks]

Q3. Write a program to find the largest element in an array of integers. [10 Marks]

Q4. What is object-oriented programming? Explain the main concepts with examples. [12 Marks]

Q5. Write a SQL query to select all records from a table named 'students'. [5 Marks]

Q6. Explain the concept of pointers and give an example of pointer usage. [5 Marks]

IT Programming Exam - Paper 2 (50 Marks)

Q1. Write a program to reverse a string without using built-in functions. [10 Marks]

Q2. Explain the difference between linear search and binary search. [8 Marks]

Q3. Write a program to demonstrate inheritance between two classes. [12 Marks]

Q4. What are file handling modes? Explain with examples. [10 Marks]

Q5. Write a SQL query to update the salary of employees by 10%. [5 Marks]

Q6. Describe the bubble sort algorithm with an example. [5 Marks]