Practical Question

MSc 2nd Sem- DBMS

1. Draw an ER diagram to University Database.
2. Draw an ER diagram to Library management System.
3. Create a database named "school.mdb" and perform the following tasks using MS Access.
4. Create a table named "studentinfo" having following table structure.

Field Name	Data Type	Structure
Class	Number	Section
Text	Roll No.	Number
Name	Text	40 Characters Long
Status	LookUp Wizard	Two Value: Senior and Junior
Photo	OLE Object	Photos of Student
DOB	Date/Time	Date of Birth Of students
Remarks	Memo	

6. Fill atleast 5 records.

7. Prepare a query to display all records and Name should be in ascending order. Prepare a query named "senior" to display records including fields name, class, sec, rollno, status, photo and value of "status" field must be senior. Prepare a form of above query "senior". Prepare a report of all the fields of above table.

8. Create a database named "library.mdb" and perform the following tasks:

9. Create a table named "Book" having following structure

Field Name	Data Type
Bookid	Text
BName	Text
WName	Text
PYear	Date/Tim
e PName	Text Price

10. Add at least 5 records.

Practical Question

MSc 2nd Sem – Programming with c++

1. Adding two numbers in C++ using Class and Object.
2. Check if a number is even or odd in C++.
3. Write a program to swap two numbers.
4. Write a program to find the largest number among three numbers.
5. Find the sum of all the natural numbers from 1 to n.
6. Write a program to check whether a number is prime or not.
7. Compute the power a given number to a given power.
8. Calculate the average of all the elements present in an array.
9. Write a program to find the GCD of two numbers.
10. Write a function to find the length of a string in CPP.
11. Program to find Nth Fibonacci Number in C++.
12. C++ program to demonstrate function overloading.
13. Write a Program to calculate Factorial in N Number Using Recursive Function.
14. Write a program to Implement the Inheritance.

Practical Question

MSc 2nd Sem - Data Structure

1. Program to maintain a Linked List.
2. Program to implement Stack as an Array.
3. Program to implement Stack as a Linked List.
4. Program to convert an A.E. from Infix form to Postfix form.
5. Program to implement a Queue as an Array.
6. Program to implement a Queue as a Linked List.
7. Program to implement a Circular Queue as an Array.
8. Program to implement a Circular Queue as a Linked List.
9. Program to implement a Deque using an Array.
10. Program to implement Linear Search in an unsorted Array.
11. Program to implement Binary Search in a sorted Array.
12. Program to implement Selection Sort.
13. Program to implement Insertion Sort (The program should report the number of comparisons).
14. Program to implement Bubble Sort.
15. Program to implement Quick Sort.