GLOBAL COLLEGE OF MANAGEMENT

Firs Term Exam - 2070

Grade: XII Subject: Computer Science FM: 75
Time: 3:00 hrs PM: 30

Morning Shift

Group A

Attempt **all** questions: [4×10=40]

1. a. Draw a flowchart and C program to check the given number is odd or even.
   b. W rite a C program to print the series 1 6 11 ..to 20th terms.
2. List some the advantages and disadvantages of array. Write a C program to find the greatest and smallest among given set of numbers.
3. Define recursion. Write recursive program to generate Fibonacci series.
4. Write a C program to reorder the given number in ascending order.

Group B

Attempt **all** questions **[**7×5=35]

5. What do you mean by control statements? Differentiate between branching and looping statements with examples.
6. What is feasibility study? Explain the different levels of feasibilities study.
7. Define DBMS and RDBMS. Explain different types of relationship involved in RDBMS.
8. What is normalization? Explain the normalization process up to 3NF with respective examples.
9. What is OSI reference model? Explain the layers of OSI reference model.
10. What is topology? Explain various types of topologies used in networking.
11. Write short notes: [2.5×2=5]
    - IP Address
    - SQL

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Day Shift

Group A

Attempt **all** questions: [4×10=40]

1. a. Draw a flowchart and C program to find the middle one among three numbers.
   b. Define conditional operator. Write a program to find out the greatest between two numbers using conditional operator.
2. Define recursion. Write a recursive C program to calculate factorial of given number.
3. What is an array? Write a program to reorder the given set of numbers in descending order.
4. What is string? Write a program to count the number of vowels, consonants, white space and digits from a line of text.

Group B

Attempt **all** questions [7×5=35]

5. List various types of operators used in C language.
6. Who is System Analyst? Explain the characteristics and the responsibility of a good System Analyst.
7. What is prototype? Explain the prototype model of SDLC.
8. Define DB and DBMS. List the advantages of database system over flat file system.
9. Define computer network. Explain various types of network on the basis of size.
10. What is network architecture? Differentiate between client server and peer to peer network architecture.
11. Write short notes on:
    - Repeater
    - Primary Key and Foreign Key