VCD-   -FYCS- COMP II-SEMI-75Mks-21/2 Hrs.

Note: All Questions are Compulsory.

Q.1: Attempt Any Four From the Following: (20 M)
1. What is mean by Algorithm? What are steps to develop an Algorithm?
2. Give the difference between Pseudo code and Algorithm.
3. Write an Algorithm for sum of setup numbers.
4. What are different approaches to programming language?
5. What is mean by variables and constants explain with examples.
6. What is the difference between symbolic constant and literal constant?
7. Explain the features of C Language
8. What are the conventions used in Pseudo code?

Q.2: Attempt Any Four From the Following: (20 M)
1. Explain following operators: 1.assignment 2.arthmatic 3.relational 4.logical.
2. What are the rules of implicit type conversion?
3. Explain different formatted output function?
4. Write a C program to determine whether number is in range or not.
5. How we can use switch statement explain it with example.
6. Write a note on escape sequence?
7 What is stream? What are two modes of stream?
8. Write a C program to check whether enter number is palindrome or not.

Q.3: Attempt Any Four From the Following: (20 M)
1. What is mean by an array? How we can name and declare it.
2. Write a note on character array.
3. Write a C program to accept rows and column of matrix from user and perform multiplication of three matrices.
4. What is string? How we can declare and initialize string variable.
5. Differentiate between selection and insertion sorting.
6. Write a note on single dimensional array and multidimensional array.
7. Write a note on array within structure.
8. Define the term union. How we can work with it?

Q.4: Attempt Any Three From the Following: (15 M)
1. Write a note on static Vs Automatic variable.
2. What is analysis of Algorithm and why we need to analyze an Algorithm?
3. Differentiate between printf() and puts() , getch() and getche().
4. Write C program to convert temperature from Celsius to Fahrenheit.
5. Write a note on string handling function.
6. Write C programs to find the length of the string.

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