SET A

1. What is the purpose of a header file? Is the use of the header file compulsory?
2. Write an algorithm and flow chart and program to determine whether a given integer is odd or even and explain it.
3. Write short notes on:
   1. Delimiters
   2. Constant Variables

SET B

1. Explain the user-defined functions and its type with example.
2. What an algorithm and flow chart and program to find out whether a given integer is zero, +ve or –ve and please do think about 0 also.
3. Write short notes on:
   1. Bitwise logical variables
   2. Unsigned long integers

SET C

1. Why flowchart is required? Explain different symbols used in the flow chart and explain with suitable example.
2. What are identifiers? What are the rules for naming identifiers?
3. Write an algorithm and flowchart and program to read first 20 number and display only sum of even numbers.

SET D

1. How can you declare the variable in C? Explain with example.
2. What are the basic four data types use in C programming? What are its size and range? Explain.
3. Write an algorithm and flow chart and program to find the factorial of a given integer.