Assignment 1

1. What do you mean by Programming Language? Explain about the evolution of programming languages. Distinguish between High-level & Low-level programming language.[1+3+3]
2. Explain different generations of computer along with technology used in each generation. [5]
3. What is a program? Briefly describe types of computer software. What are the features of good program? [2+2+3]
4. What are Computer Program & Computer Programming? Explain the steps that are required to build a computer program for solving a certain problem. [2+6]
5. Categorize programming languages on the basis of their uses and applications. Among them which programming language is C programming? [4]
6. How High-level programming languages are similar to natural languages? Describe [4]
7. Why do we need analysis & design before coding a program? [4]
8. What is a flowchart? List the various commonly used flowchart symbols. How does a flowchart help computer programming? [2+2+2]
9. What are the advantages of a Flowchart design? Write down the guidelines to be followed to draw a flowchart. [2+2]
10. What is the purpose of the semicolon that appears at the end of most assignment statements in C? Explain the program compilation, linking and loading process with example. [2+4]
11. Why algorithm and flowchart development is important in problem solving? Write an algorithm and draw flow chart to test a number entered by user whether it is even or not. [2+3]
12. What is an algorithm and how it differs from pseudo-code? Develop algorithm and draw flowchart to find the largest of N numbers. [2+3+3]
13. Write algorithm & draw flowchart to check given number is Armstrong or not. [2+2]
14. What is mean by Compilation? What is mean by Interpretation? How do these two processes differ? [4]
15. Write the syntax, example & use of the following:
    a. printf()
    b. scanf()
    c. getch()
    d. getche()

Last date of Submission: **Kartik 28, 2075**