Duration: 2hours   Max. Marks: 50

Instructions:

Figures to the right indicate maximum marks.

Start each question on a fresh page

All questions are compulsory

Q1 A) Name the following.   (5)

1) Smallest memory Unit .

2) programming approach that divides problem into smaller modules to solve it.

3)Function that counts number of characters.

4)Software used to write programs.

5)code generated after successful compilation.

Q1 B) State true/false and justify your answers.   (5)

1) Array with size 5 has last index position as 5.

2) = and == operators perform same function in the C program.

3) Programs in LowLevelLanguage are faster .

4)2D Array stores information of two different datatypes.

5) % c format specifier is used to represent float data in C language.

Q2) Answer The Following

1) Explain how Application software is different from System Software?   (2)
2) Explain the steps involved in programming.   (3)
3) Write note on Generations of Computers.   (5)

Q3) Answer The Following.

1) Variable declaration is important in programs. Give reasons. (2)

2) Define following terms. i)Constant Variable ii) Keyword   iii)Instruction. (3)

3) Give the characteristics of Algorithm. Write an Algorithm to find Factorial of number specified by the user . (5)

Q4) Answer The Following.

1) State the differences between while loop and Do-While loop with examples. (2)

2) Explain the working of if – else – if Decision making syntax used in programs. (3)

3) what is the use of Flowchart in program analysis. Draw flowchart to read number and display reversed number . (5)

Q5) Answer The Following .

1)Explain with examples use of & and && operators . (2)

2) Name the types of storage classes and explain the importance of storage class. (3)

3) Explain the following terms.
a) Function   b) Pointer variable   c) structures   d)Debugging   e)break (5)

****** Best of Luck ******