Bachelor level/ B.Sc /4th Semester	Full Marks : 60
Time: 3hrs	Pass Marks : 30
Subject : C Programming (CS 347)	

Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.

Attempt All questions   **[6×10=60]**

1. What are the advantages of using algorithm? Write an algorithm to find greatest between 3 numbers.
2. The marks obtained by student in 6 different subjects are entered through the keyboard. The student gets a division as per the following rules:

Percentage	Division
P >= 80	Distinction
P > = 60	First division
P > = 45 and P < = 59	Second division
P > = 35 and P < = 44	Third division
P < 35	Fail

   Write a program using C language to process result of all students based on the condition mentioned above.
3. Write a program to read the age of 20 persons and count the number of persons in the age group between 20 and 30.

   OR

   What is computer program? Explain hierarchy of computer languages.What is flow chart? Explain the advantages of using flowcharts.
4. Differentiate between for loop and while loop with suitable example.
5. Why files are needed? Write a C program to read name and marks of 5 number of students and store them in a file.

   OR

   Explain the use of getchar and putchar functions. What do you mean by calling function? What are the advantages of using function?
6. How two-dimensional array can be initialized? Write a program to add and store two matrices.

THE END