**CP Important Questions:**

**@Unit 1..**

1.(Theory) List various operators used in C programming and explain any two of them in detail.

2.Write a program that accepts three integrers and find the maximum of three without using if statement or condition operator.

3.Write a program to read seconds as integer value and convert it into hours, minutes and seconds.

4.Write a C program to enter radius of a circle and find its diameter, circumference and area.

5.Write a C Program to convert days into years, weeks and days.(For ex, 402--> 1Year, 5 weeks and 2 days).

6.(Theory)Name and describe the various data types supported by C programming lanuguage

7.Write a prgram to exchange values of two variables.

8.If a four digit number is input through the keyboard, Write a program to find the sum of first anf last digit.

**@Unit 2..**

1.(Theory) What is an array? Explain the declaration and initialization of one dimensional array.

2.write a program to calculate the value of S where S= 1 +1/2 +1/3 + ... + 1/50.

3. Write a program to find largest and smallest element stored in an array.

4.Differentiate between break and continue statements with suittable examples.

5.Write a program to find factorial of a number.

6.Write a program to add array elements.

7.(Theory)Distinguish between while and do-while statement.

8.Write a program to add digits of a given number.

9.Write a program to find lenght of the string without using the built in function.

**@Unit 3..**

1.(Theory) What is storage class? What are the different storage classes in C? Explain in brief.

2.Write a program to find factorial of a number using recursion.

3.Write a program concatenate two strings without using any built in function.

4.(Theory) What is array?EXplain how to pass an array as argument to a function.

5.Write a program using a recursive function to add first 10 natural numbers.

6.Write a program to reverse digits of a number using function.

**@Unit 4..**

1.Explain structure within structure with an example.

2.Write a program to campare two strings using pointers.

3.create the structure named Marks having elements roll\_no, name, chem\_marks, maths\_marks and phy\_marks.Write a program to enter details of 5 students and then display the percentage marks scored by each student.

4.(Theory)Write the differences between structure and union.

5.Explain dynamic memory allocation using malloc() function.

6.Write a program to reverse a string using pointers.

**@Unit 5..**

1.Write a program to copy contents of one file to another.

2.Write a program to find largest of three numbers by defining a multiline macro.

3.(Theory) What are bit fields? What is the use of bit fields in Structure declaration ? Explain with an example.

4.(Theory)Write a Short Note on : Register variables.

5.Write a program to display the contents of the file using command line argumnet.

6.Write a program to find largest of three numbers by defining a multiline macro.