

**HoD** **Director** **Dean**

<b>3</b>	<b>Looping</b> <ol style="list-style-type: none"> <li>Write a C program to find the factorial of a given number.</li> <li>Write a program to reverse a number.</li> <li>Write a program to generate first <math>n</math> number of Fibonacci series</li> <li>Write a program to find out the sum of the first and last digit of a given number.</li> <li>Write a C program to find the sum and average of different numbers which are accepted by user as many as user wants</li> <li>Write a program to check whether the given number is prime or not</li> <li>Write a program to evaluate the series <math>1^2+2^2+3^2+\dots+n^2</math></li> <li>Write a C program to find <math>1+1/2+1/3+1/4+1/n</math>.</li> <li>Write a program to print following patterns : <pre> *           *           ***** **          *  *        **** ***         *  *  *      *** ****        *  *  *  *   ** *****       *  *  *  *  *  * </pre> </li> <li>Write a program to print following patterns : <pre> 1      12345      55555      1 12     1234       4444       22 123    123        333        333 1234   12         22         4444 12345  1          1          55555 </pre> </li> </ol>	YES	-	-
<b>4</b>	<b>Arrays &amp; Strings</b> <ol style="list-style-type: none"> <li>Write a C program to read and store the roll no and marks of 20 students using an array.</li> <li>Write a program to find out which number is even or odd from list of 10 numbers using array</li> <li>Write a program to find the maximum element from a one-Dimensional array.</li> <li>Write a Program to Search an element in array.</li> <li>Write a Program to perform addition of all elements in Array.</li> <li>Write a Program to reverse the array elements in C Programming.</li> <li>Write a Program for deletion of an element from the specified location from Array.</li> <li>Write a program to find a character from a given string.</li> <li>Write a program to replace a character in a given string.</li> <li>Write a program to delete a character in a given string.</li> <li>Write a program to reverse string.</li> <li>Write a program to convert string into upper case</li> </ol>	YES	-	-

5	<b>Functions</b> <ol style="list-style-type: none"> <li>1. Write a program that defines a function to add first <math>n</math> numbers.</li> <li>2. Write a function in the program to return 1 if number is prime otherwise return 0</li> <li>3. Write a function Exchange to interchange the values of two variables, say x and y illustrates the use of this function in a calling function.</li> <li>4. Write a C program to check whether a number is prime, Armstrong or perfect number using functions.</li> <li>5. Write a program to find the factorial of a number using recursion.</li> <li>6. Write a program to calculate sum of first 20 natural numbers using recursive function.</li> <li>7. Write a program to generate Fibonacci series using recursive function.</li> <li>8. Write a program to find sum of digits of the number using Recursive Function.</li> <li>9. Write a function that will scan a character string passed as an argument and convert all lowercase character into their uppercase equivalents</li> </ol>	YES	-	-
6	<b>Pointers</b> <ol style="list-style-type: none"> <li>1. Write a program to print the address of a variable using a pointer.</li> <li>2. Write a C program to swap the two values using pointers.</li> <li>3. Write a C program to print the address of a character and the character of string using a pointer.</li> <li>4. Write a program to add two numbers using pointers.</li> <li>5. Write a program to input and print array elements using pointer.</li> <li>6. Write a program to copy one array to another using pointer.</li> <li>7. Write a program to swap two arrays using pointers.</li> <li>8. Write a program to access elements using a pointer.</li> <li>9. Write a program for sorting using a pointer.</li> </ol>	YES	-	-
7	<b>Structures</b> <ol style="list-style-type: none"> <li>1. Write a program to read structure elements from the keyboard.</li> <li>2. Design a structure student_record to contain name, branch and total marks obtained. Develop a program to read data for 10 students in a class and print them.</li> <li>3. Write a program to add two distances in feet and inches using structure</li> <li>4. Write a program to read and print an Employee"s Details using Structure.</li> <li>5. Write a program to declare, initialize an UNION.</li> </ol>	YES	-	-

<b>8</b>	<b>File Handling in C</b> 1. Write a program to write a string in file 2. A file named data contains a series of integer numbers. Write a c program to read all numbers from a file and then write all odd numbers into a file named "odd" and write all even numbers into a file named "even". Display all the contents of these file on screen 3. C Program to count number of lines in a file 4. C Program to print contents of file 5. C Program to copy contents of one file to another file 6. C Program to merge contents of two files into a third file	YES	-	-
<b>9</b>	<b>Graphics Functions :</b> 1. Write a Program to draw a point, arc, line, and circle. 2. Write a Program to draw a rectangles and polygons. 3. Write a Program to fill polygons.	YES	-	-
<b>10</b>	<b>OEP</b>	YES	-	-