Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to find maximum of two numbers using macros.   [10 Marks]

Q2) Write C program to reverse string using pointers and user defined function.   [20Marks]

OR

Q2) Write C Program to copy a file into another file using command line arguments.
[20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs. **Max Marks: 35**

Q1) Write C program to display arguments and count of arguments passed through command line. [10 Marks]

Q2) Write C program to accept n numbers in an array and display it in reverse order using pointers. [20Marks]

OR

Q2) Write C Program to accept n records of employee information (eno,ename,salary) and display record of employees having maximum salary.

[20 Marks]

Q3) Viva [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to find string length and compare two strings using predefined string functions.   [10 Marks]

Q2) Write C program to find sum of n numbers using dynamic allocation method.   [20Marks]

OR

Q2) Write C Program to concatenate two files using command line arguments.   [20 Marks]

Q3) Viva   [5 Marks]

Advanced C Programming Laboratory
Slips

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to interchange values of two numbers using pointers.   [10 Marks]

Q2) Write C program to sort n strings in ascending order.   [20Marks]

OR

Q2) Write C Program to accept book information (book_id, book_name, book_author).
Read the details of n number of books. Display book details in ascending order of book
name.

[20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to check given number is even or odd using macros.   [10 Marks]

Q2) Write C program to find string length and reverse string using pointers and user defined function.   [20Marks]

OR

Q2) Write C Program to accept n books information (bookid, bname, price) and store it in file and display the same.

[20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to accept student information (rollno, name, marks) and display same information using structure.   [10 Marks]

Q2) Write C program to count number of vowels, consonants and words in given sentence.
                                                                        [20Marks]

OR

Q2) Write C Program to display even numbers from file using command line arguments.
                                                                        [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to find maximum of two numbers using macros.   [10 Marks]

Q2) Write C program to accept two filenames as command line arguments. Copy the contents of the first file to the second such that the case of all alphabets is reversed.   [20Marks]

OR

Q2) Write C program to accept a matrix of size 3x3 and print the same using pointer. [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C Program to check whether a number is positive, negative or zero using macros.
[10 Marks]

Q2) Write C program to accept an array and a number. Check whether the number is present in the array, print the index number of the all occurrence of that number.   [20Marks]

OR

Q2) Write C program to store n student information(rollno, name, percentage) in file and display the same.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C Program to find minimum of three numbers using nested macros.   [10 Marks]

Q2) Write C program to accept a matrix of size 3x3 and print transpose of the matrix using pointer.   [20Marks]

OR

Q2) Write C program to store n players details (id, name,no_of_runs,no_of_wickets, average) and display player name scoring maximum number of runs.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to find square of number using macro.   [10 Marks]

Q2) Write C program to convert alternate characters of string in uppercase using pointers.
[20Marks]

OR

Q2) Write C Program to store n employee information (eno,ename,salary) in file and display
same.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to multiply two numbers using function pointer.   [10 Marks]

Q2) Write C program to check whether a given string is palindrome or not using user defined function and pointers.   [20Marks]

OR

Q2) Write C program to replace capital letters in file by lowercase letter using command line arguments and display the contents of file .   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to display contents of a file.   [10 Marks]

Q2) Write C program to accept a string and a substring. Check if the substring is present in the given string or not using. If substring is present, replace by another string ,otherwise display appropriate message.   [20Marks]

OR

Q2) Write C program to create employee having fields emp_id, emp_name, designation. Pass this entire structure to function and display the structure elements using pointers.

[20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to interchange values of two numbers using pointers.   [10 Marks]

Q2) Write C program to accept three integers as command line arguments and find the minimum, maximum and average of the three numbers. Display error message if the number of arguments entered are invalid.   [20Marks]

OR

Q2) Write C program to create a student structure having fields roll_no, stud_name and address. Accept the details of 'n' students into the structure, rearrange the data in alphabetical order of stud_name and display the data.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to accept multiple strings in command line arguments and display length of each string using predefined function.   [10 Marks]

Q2) Write C Program to accept n numbers using dynamic allocation method and display maximum and minimum of them.   [20Marks]

                                   OR

Q2) Write C Program to read numbers from file, store even numbers in even.txt and odd numbers in odd.txt file.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write a program to store and access "name, subject and percentage" for two student. (Using union)   [10 Marks]

Q2)Write C program to read 'n' numbers using dynamic memory allocation and sort numbers using ascending order.   [20Marks]

                                        OR

Q2) Write C program to accept n student details like roll_no, stud_name, mark1, mark2, mark3. Calculate the total and average of marks using structure.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to find circumference of circle using macros.

[10 Marks]

Q2) Write C program to pass two strings to user defined function and copy only 'n' characters of one string to another string using pointers and user defined function. [20Marks]

OR

Q2) Write a menu driven program in 'C' that shows the working of a library. The menu option should be [20 Marks]
- Add book information.
- Display book information.
- List all books of given author.
- Exit.

Q3) Viva [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to find the number of vowels in a string.   [10 Marks]

Q2) Write C program that accepts names of n cities and write functions for the following:
   a)Search for a city   b)Display a city with the longest name.
                                                                    [20Marks]

OR

Q2) Write C program to compare two files. If they are not equal display appropriate message.
                                                                    [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to calculate the factorial of number by using the command line argument.
[10 Marks]

Q2) Write C program to find the First Capital Letter in a String .Write a function iscap() to find the first capital letter .   [20Marks]

OR

Q2) Write a program to find sum and average of n elements entered by user. To perform this, allocate memory dynamically using calloc() function.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to read a string and find its length without using any library function.
[10 Marks]

Q2) Write C program to accept string and check whether it is palindrome using pointers
[20Marks]

OR

Q2) Write C Program to accept n records of student information (sno,sname,marks) and display record of students having maximum marks.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write a macro that will generate the code to make the sum of given 3 integers.   [10 Marks]

Q2) Write C Program that will find first occurrence of character using user defined function and pointers.   [20Marks]

OR

Q2) Write a 'C' program to accept the book details such as BookID, Title, Author, Price. Read the details of n number of books. Display the details of those books which are priced below Rs.100.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to find compare and concatenate two strings using predefined string functions.   [10 Marks]

Q2) Write C program to find maximum and minimum of n numbers using dynamic allocation method.   [20Marks]

OR

Q2) Write C Program to read a two file using command line arguments and display lines from each file alternately on screen.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to display maximum of three numbers using command line arguments.
[10 Marks]

Q2) Write C program to sort n strings in descending order.   [20Marks]

OR

Q2) Write C Program to accept novel information (novelid, novelname, and price) and display it using pointers and user defined function.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to accept teacher information (teacherid, name, qualification, salary) and display same information using structure.   [10 Marks]

Q2) Write C program to replace first n characters of string by '*' using pointers and user defined function.   [20Marks]

OR

Q2) Write C program that will accept the list of file names from command prompt and display all files one after another.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs. **Max Marks: 35**

Q1) Write C program to check given number is even or odd using macros. [10 Marks]

Q2) Write C program to compare n characters of two strings using pointers and user defined function. [20Marks]

OR

Q2) Write C Program to display odd numbers from file using command line arguments. [20 Marks]

Q3) Viva [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to find minimum of two numbers using macros.   [10 Marks]

Q2) Write C program that will read the n strings. Display each string on separate line along with its length and also display longest string.   [20Marks]

OR

Q2) Write C program to accept a file name from user. Also read 2 characters. Create new file in which all occurrences of character ch1 are replaced by ch2.   [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write a macro CALC that will compute the circumference of a circle. Using this macro find the circumference for the given radius.   [10 Marks]

Q2) Write C Program to read the string until the given character is '^'. Display the string. Also count the vowels in it.   [20Marks]

OR

Q2) Write C program that will accept the filename using command line arguments and display longest line along with its length.   [20Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C Program that will dynamically allocate the memory for an integer, float and character. Read values in it and display them.   [10 Marks]

Q2) Write C program that display number of characters and white spaces in string using pointers.
                                                                        [20Marks]

                              OR

Q2) Write C Program to convert file into uppercase using command line arguments.
                                                                        [20 Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write a 'C' program to read n integers in an array. Display the contents of an array by using pointer and pointer arithmetic.   [10 Marks]

Q2) Write a menu driven program to perform following operations on strings by using standard library functions.   [20 Marks]

    1. Read twoStrings   2. Display Strings   3) Length

    4. Copy   5. Exit

<div align="center">OR</div>

Q2) Write a C program to open a text file and count number of characters, words and lines in file.   [20Marks]

Q3) Viva   [5 Marks]

Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to find cube of number using nested macros.   [10 Marks]

Q2) Write a menu driven program to perform following operations on strings by using standard library functions.
  1. Read 2 Strings 2. Display Strings   3. Copy   4. Compare 5. Concatenate
                                                    [20Marks]

OR

Q2) Write C program to read a text file and display only those lines which contains some digit in it. Also count number of such lines.
                                                    [20 Marks]

Q3) Viva   [5 Marks]

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(Semester-II)
Lab Course BCA128
Database Management Systems-I Laboratory
Duration: 3Hrs.   **Max Marks: 35**

Q1) Write C program to accept a string and count number of vowels.   [10 Marks]

Q2) Write C program that will read n numbers using dynamic allocation method and display sum and average of numbers.   [20Marks]

OR

Q2) Write C program to accept the student details such as Rollno, Name, Category and Class. Read the details of n number of students. Display the count of students in each category.   [20 Marks]

Q3) Viva   [5 Marks