CS23C04 PROGRAMMING IN C – P Batch

Date : 27.08.2026

1. Write a C program to display your **name, register number, department, and college name** using `printf()`.
2. Write a C program to demonstrate the **basic structure of a C program** using comments, header files, `main()`, variable declarations, statements, and `return`.
3. Write a C program to print the following pattern:
   //**********//
4. Write a C program to calculate the **area and perimeter of a rectangle**.
5. Write a C program to calculate the **area and circumference of a circle**.
6. Write a C program to read an integer, floating-point number, character, and double value from the user and display them.
7. Write a C program to convert **temperature from Celsius to Fahrenheit** using symbolic constants.
8. Write a C program to demonstrate the use of **integer, floating-point, character, and string constants**.
9. Write a C program to demonstrate **arithmetic operators** (`+`, `-`, `*`, `/`, `%`) on two integers.
10. Write a C program to swap two numbers using a **third variable**.
11. Write a C program to calculate the **sum, average, and percentage of five subjects** using assignment statements and expressions.
12. Write a C program to read two integers using `scanf()` and display their sum, difference, product, quotient, and remainder.
13. Write a C program to demonstrate different **format specifiers** such as `%d`, `%f`, `%lf`, `%c`, and `%s`.
14. Write a C program to convert a given number of **seconds into hours, minutes, and seconds**.
15. Write a C program to evaluate the following expressions and display their results:

```
x = a + b * c
y = (a + b) * c
z = a * b + c / d
```