CSE101 CPPS Laboratory – Fall 2012-13

Cycle sheet 1

SNo	Date	Topic
1	Week 1	Simple C Programs
2	Week 2	Simple C Programs
3	Week 3	Simple C Programs
4	Week 4	Control Structures
5	Week 5	Control Structures
6	Week 6	Control Structures
7	Week 7	CAT 1 LAB EXAM

Simple Programs

1. Write a C program to display multiple lines using a single printf statement using escape sequences.
2. Write a C program to perform various arithmetic operations. (Hint : Addition , Subtraction ,Multiplication & Division)
3. Write a C program to convert the temperature from Fahrenheit to Centigrade and vice versa.
4. Write a C program to swap two numbers
    - With a temporary variable.
    - Without a temporary variable.
5. Write a C program to compute simple interest, compound interest and amount.
6. The speed of a van is 60 km / hour. Find the number of hours required for covering a distance of 350 kms. Write a C program for this scenario.

Control Structures – Part A – (Decision/Selection Constructs)

7. Write a C program to print the Multiplication table.
8. Write a C program to find the greatest among three numbers.
9. Write a C program to find whether the given number is odd or even.
10. Write a C program to check whether the given year is leap year.
11. Write a C program to find the grade obtained by a student according to the marks obtained (Hint: Input marks for at least 5 subjects)

    Grading System:

Average Marks	Grade
>=90	S
>= 80 and <90	A
>=70 and <80	B
>=60 and <70	C
>=50 and < 60	D
< 50	F

Control Structures – Part B – (Looping Constructs)

12. Write a C program to compute the factorial of a given number.
13. Write a C program to generate the Fibonacci series of n terms.
14. Write a C program to reverse the given number.
15. Write a C program to check whether the given number is a palindrome number.
16. Write a C program to evaluate the expression for sine series.
17. Write a C program for conversion from hexadecimal to octal/Binary/decimal.
18. Write a C program to solve the following series
    - S = -1 + 3 – 11 + 43 – 171 + ……
    - S = (1/3) – (3/9) + (9/81) - …. N.