INDIAN SCHOOL DARSAIT
DEPARTMENT OF ICT

Subject: Computer Science   **Topic:** Flow of Control (IF & SWITCH)   **Lab Worksheet No.:** 2

Resource Person: Roilet Noronha   **Date:**_____

Name of the Student :_____   **Class &Div:** XI _   **Roll Number :**___

Write a C++ program :

Use conditional operator

1. To check if an entered number is even. If yes print "Even Number" else print "Not even number" on screen.
2. To check if an entered number is divisible by 6. If yes print "Divisible by 6" else print "Not Divisible by 6".

IF

3. To print the largest among the three entered numbers.
4. Write a program to input a character. If it is lowercase letter, convert it to uppercase and vice versa.
5. Write a program to input a number. If it is even, double and print the number otherwise print its half.
6. Write a program calculate commission for the salesman. The commission is calculated as follows:

Sales	Commission Rate
30001	onwards 15%
22001 - 30000	10%
12001 – 22000	7 %
5001 – 12000	3%
0 - 5000	0%

7. Write a program to input the name, subject, salary and experience(in years) of a teacher. An allowance is given according to the following condition:

If salary >10,000 or experience > 10 years,	allowance is 20% of salary.
If salary is in the range 5000-10000 and experience >5years	allowance is 15% of salary.
Otherwise if salary >3000	allowance is 10%.
Otherwise if salary <3000	allowance is 6%.

   Find the total salary (salary+allowance) and print it along with other details.
8. Write a C++ program to input marks in five subjects of a student. Calculate the sum and average. Also calculate the grade as follows and display all the details.

Grade	Percentage
A	90-100
B	80-89
C	70-79
D	60-69

SWITCH

9. Write a program to accept an integer (1-7) and print the day corresponding to it. (1- Sun, 2- Mon,. ,7- Sat).
10. Write a menu driven program to perform the following:
    1. Area of circle
    2. Area of rectangle
    3. Area of square
    4. Exit
11. Write a menu driven program to input a choice from user. If choice is 'S', program should find the volume of a square. If choice is 'C' it should find volume of a circle. Otherwise error message. Continue this process until the user want to exist.