



## INDIAN SCHOOL DARSAIT DEPARTMENT OF ICT



**Subject:** Computer Science

**Topic:** Operators & Expressions

**Worksheet No.:**3

**Resource Person(s):**Roilet Noronha

**Date:**\_\_\_\_\_

**Name of the Student :**\_\_\_\_\_ **Class &Div:**XI \_\_\_

**Roll Number :**\_\_\_

1. What will be the result of the following two expressions if  $i=10$  initially?

(i)  $++i \leq 10$       (ii)  $i++ \leq 10$

2. Write the corresponding C++ expressions for the following mathematical expressions.

(i)  $e^x - x$  (ii)  $(R+S)^4$  (iii)  $2 - 4y * (p+q)^2$  (iv)  $(A+B)^2 + (C+D)^4$

3. Given the value of a, b and c evaluate the following expression  $a=10, b=5, c=11$

i)  $(a > b) || (!c == b) \&\& (c < a)$       ii)  $!(a \leq b + c \&\& a + c \geq b)$       iii)  $!a < b + c$

4. Determine the output.

$a=2; b=++a;$

$\text{cout} \ll a; \text{cout} \ll b; \text{cout} \ll a++; \text{cout} \ll ++a;$

5. What is the output of the following statement if  $i=20$  initially?

$\text{cout} \ll i \ll i++ \ll ++i;$

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