



INDIAN SCHOOL DARSAIT DEPARTMENT OF ICT



Subject: Computer Science

Topic: Operators & Expressions

Worksheet No.:3

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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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