Worksheet

ALGORITHMIC INTELLIGENCE

A. Write the result for the following conditions if num1 is 600 and num2 is 800:

If (num1 > 500) **OR** (num2 > 500) **Then** Write "GREATER" **Else** Write "SMALLER"	**If** (num1 > 500) **AND** (num2 > 500) **Then** Write "GREATER" **Else** Write "SMALLER"	**If** (num1 < 500) **Then** Write "GREATER" **Else** Write "SMALLER"

B. Answer the following questions:

1. Write the difference between the following with an example of each:
    a. AND condition and OR condition

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    b. counting loop and a conditional loop

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2. Write a program to check whether a given number is negative or positive. If the number is positive, then print "Positive number". If the number is negative, then print "Negative number".

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C. Competency-based/Application-based question:

Lokesh has created a program in which he has written blocks of code multiple times to cover the path ten times if a given condition is right. What can he used to reduce the lines of code in his program?

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Grade: ★ ★ ★ ★ ★

Teacher's Signature: ....