



Provincial Department of Education – Week School

Grade 10

Information & Communication Technology

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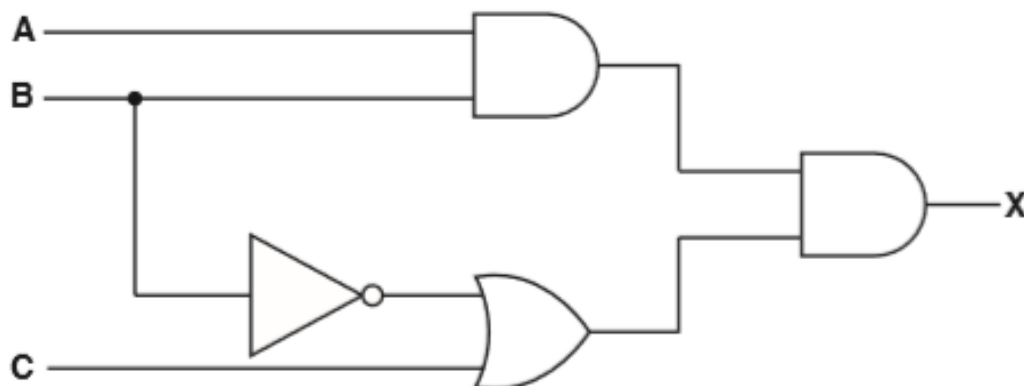
4.0 Boolean logic uses logical gates effectively.

4.1 Creates logic tables to identify basic arguments and explain their function.

Study pages 115 to 127 of the textbook.

1.

i. Write the Boolean algebraic expression for the following logic circuit.



ii. Draw the truth table for the above circuit.

2

i. Design the circuit to obtain the Boolean algebraic expression.

$$F = (A + B') + (B'.C).$$

ii. Draw the truth table for the above circuit.