NOVA SCOTIA MATHEMATICS 11 · UNIT C

Logical Reasoning — Practice Test

Nova Scotia Mathematics 11 • 10 questions

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Out of 80 people surveyed, 20 chose option A. The number who did not choose A is**

ANSWER _____

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2 **A biconditional statement uses which wording?**

A. If then only

B. Either or only

C. If and only if

D. Neither nor

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3 **In a group of 30 students, 10 play soccer and 8 play both soccer and hockey. The number who play soccer only is**

ANSWER _____

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4 **Inductive reasoning moves from**

A General to specific

B Specific to general

C True to false

D False to false

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5 **The statement, if p then q, is false only when**

A p is false and q is true

B p is false and q is false

C p is true and q is false

D p is true and q is true

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6 **The union of two sets includes members in**

A Neither set

B Only the first set

C Only the overlap

D Either set or both

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7 **Which is the negation of, all students passed?**

- A No student passed
- B At least one student did not pass
- C All students failed
- D Some students passed

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8 **Which statement is equivalent to its contrapositive?**

- A The converse
- B The inverse
- C The negation
- D The original conditional

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9 **Out of 60 people surveyed, 15 chose option A. The number who did not choose A is**

ANSWER _____

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10 **Out of 120 people surveyed, 30 chose option A. The number who did not choose A is**

ANSWER _____

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ANSWER KEY

1.	60	**5.**	C	**9.**	45
2.	C	**6.**	D	**10.**	90
3.	2	**7.**	B		
4.	B	**8.**	D		

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