

Logic

Sr	Questions	Answers Choice
1	The statemetn "Every integer greater than 2 is a sum of two prime numbers" is	A. Theorem B. Conjecture C. Axiom D. Postulates
2	Who is considered Father of formal logic?	A. Aristotle B. Alfred North C. Bertrand Russell D. Kurt Godel
3	The conjunctionof negations of two statements p and q is denoted by	A. $p \wedge q$ B. $p \wedge \neg q$ C. $p \vee \neg q$ D. $p \vee q$
4	Which one of the followign statements is true?	A. The set of integers in finite B. The um of the interior angles of any quadrilated is always 180 Degree C. $22/7 = \pi$ D. All isoscles triangles are quiateral triangles.
5	Which of the following expressions is often related to inductive reasoning.	A. Based on repeated experiments B. If and only if satemetns C. Statement is proven by a theorm D. Based on generla principles
6	A conditional is regarded as false only when	A. Antecedent is true and consequent is false B. Consequent is true and antechedent is false C. Antecedent is true only D. Consequent is false only
7	Who is consiseerd father of formal logic.	A. Aristotle B. Alfred Noth C. Bertrand Russell D. Kurt Godel
8	The disjunction $p \vee q$ is False when p and q are	A. T, T, B. T, F C. F, T D. F ,F
9	Any condifination and itare equivalent	A. negation B. contrapositive C. converse D. Inverse
10	The statement "A straight line can be drawn between any two points" is	A. Theorem B. Conjective C. Axiom D. Logic
11	The conjunction of two statemens p and q is denoted by	A. $p \wedge q$ B. $p \vee q$ C. $p \wedge \neg q$ D. $p \vee \neg q$
12	The disjunction of negation of two sttatemts p and q is denoted by	A. $p \wedge q$ B. $p \vee q$ C. $p \vee \neg q$ D. $p \wedge \neg q$
13	If $a = b$, $b = c$ then $a =c$ is an example of	A. Axiom B. Postulate C. Theorem D. Proof
14	The conjunction of two statemetn p and q is the true when.	A. Both p and q are false B. Both p and q are true C. Only q is true D. Only p is true

15	Which of the following sentences describe deductive reasoning?	<p>A. General conclusions from a limited number of observations</p> <p>B. Based on repeated experiments</p> <p>C. Based on repeated experiments</p> <p>D. Draw conclusion from well-known facts</p>
16	The conjunction $p \wedge q$ is true when p and q are	<p>A. T, T</p> <p>B. T, F</p> <p>C. F, T</p> <p>D. F, F</p>
17	The negation of statement p is denoted by	<p>A. $\wedge p$</p> <p>B. $\vee p$</p> <p>C. $- p$</p> <p>D. \bar{p}</p>
18	The statement "The sum of the interior angle of a triangle is 180° is	<p>A. Converse</p> <p>B. Theorem</p> <p>C. Axiom</p> <p>D. Conditional</p>
19	Which of the following statements is the best to represent the negation of the statement "The stove is burning"?	<p>A. The stove is not burning</p> <p>B. The stove is dim</p> <p>C. The stove is turned to low heat</p> <p>D. It is both burning and not burning</p>
20	The disjunction of two statements p and q is denoted by	<p>A. $p \wedge q$</p> <p>B. $p \vee q$</p> <p>C. $p \wedge -q$</p> <p>D. $p \vee -q$</p>