

Logic

Sr	Questions	Answers Choice
1	The statemetn that has been proved true based on previously known facts is	A. axiom B. postulate C. thorem D. proof
2	The conjunction $p \wedge q$ is true when p and q are	A. T, T B. T, F C. F, T D. F, F
3	Who is consiseerd father of formal logic.	A. Aristotle B. Alfred Noth C. Bertrand Russell D. Kurt Godel
4	Which of the following statemetns is the best to represent the negation of the statement"The stove is burning"?	A. The stove is not burning B. The stove is dim C. The stove is turned to low heat D. It is both burning and not burning
5	Which of the following sentences describe deductive reasoning?	A. General conclusions from a limited number of observations B. Based on repeated experiments C. Based on repeated experiments D. Draw conclusion from well-known facts
6	The disjunction $p \vee q$ is False when p and q are	A. T, T, B. T, F C. F, T D. F, F
7	The statemetn "Every integer greater than 2 is a sum of two prime numbers" is	A. Theorem B. Conjecture C. Axiom D. Postulates
8	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
9	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. $p \vee q$
10	Which one of the followng statements is true?	A. The set of integers in finite B. The um of the interior angles of any quadrilated is alwas 180 Degree C. $22/7 = \pi$ D. All isoscles triangles are quiateral triangles.
11	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
12	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. $p \vee \neg q$
13	The disjunction of two stateemnts p and q is denoted by	A. $p \wedge q$ B. $p \vee q$ C. $p \wedge \neg q$ D. $p \vee \neg q$
14	If $a = b$, $b = c$ then $a = c$ is an example of	A. Axiom B. Postulate C. Theorem D. Proof

15	Who is considered Father of formal logic?	A. Aristotle B. Alfred North C. Bertrand Russell D. Kurt Godel
16	The statement "A straight line can be drawn between any two points" is	A. Theorem B. Conjective C. Axiom D. Logic
17	The statemetn "The sum of the interior angle of a triangle is 180° is	A. Converse B. Theorem C. Axiom D. Conditional
18	The disjunction of negation of two sttatements p and q is denoted by	A. $p \wedge q$ B. $p \vee q$ C. $p \vee \neg q$ D. $p \wedge \neg q$
19	Any condifination and itare equivalent	A. negation B. contrapositive C. converse D. Inverse
20	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