

Logic

| Sr | Questions | Answers Choice |
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| 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 | 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 |
| 4 | The disjunction $p \vee q$ is False when p and q are | A. T, T, B. T, F C. F, T D. F ,F |
| 5 | 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 |
| 6 | 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 |
| 7 | The statemetn that has been proved true based on previously known facts is | A. axiom B. postulate C. thorem D. proof |
| 8 | The conjunction $p \wedge q$ is true when p and q are | A. T,T B. T, F C. F, T D. F , F |
| 9 | 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. $p \vee \neg q$ |
| 10 | The statemetn "The sum of the interior angle of a triangle is 180° is | A. Converse B. Theorem C. Axiom D. Conditional |
| 11 | 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. $p \wedge \neg q$ |
| 12 | Who is consiseerd father of formal logic. | A. Aristotle B. Alfred Noth C. Bertrand Russell D. Kurt Godel |
| 13 | If $a = b$, $b = c$ then $a =c$ is an example of | A. Axiom B. Postulate C. Theorem D. Proof |
| 14 | Any condifination and itare equivalent | A. negation B. contrapositive C. converse D. Inverse |
| 15 | 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. Based on repeated experiments |

D. Draw conclusion from well-known facts

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| 16 | Which one of the following statements is true? | A. The set of integers is finite B. The sum of the interior angles of any quadrilateral is always 180 Degree C. $22/7 = \pi$ D. All isosceles triangles are equilateral triangles. |
| 17 | The conjunction of negations of two statements p and q is denoted by | A. $p \wedge q$ B. $\neg p \wedge \neg q$ C. $p \vee \neg q$ D. $p \vee q$ |
| 18 | A conditional is regarded as false only when | A. Antecedent is true and consequent is false B. Consequent is true and antecedent is false C. Antecedent is true only D. Consequent is false only |
| 19 | The statement "A straight line can be drawn between any two points" is | A. Theorem B. Conjective C. Axiom D. Logic |
| 20 | The disjunction of two statements p and q is denoted by | A. $p \wedge q$ B. $p \vee q$ C. $p \wedge \neg q$ D. $p \vee \neg q$ |