

ECAT Mathematics Chapter 3 Logic

Sr	Questions	Answers Choice
1	A conjunction is considered to be true only if both its components are	A. false B. equivalent C. equal D. true
2	According to Aristotle, in proposition there could be	A. one possibilities B. two possibilities C. three possibilities D. seven possibilities
3	We often consult doctors or lawyers on the basis of their good	A. personality B. behaviour C. reputation D. good dealing
4	Any conditional and its contrapositive are	A. Equilavant B. Opposite C. Equal D. Not Equal
5	For reasoning, we have to use	A. implication B. conjunction C. induction D. proposition
6	The converse and Inverse are	A. Equivalent to each other B. Opposite to each other C. Equal to each other D. Not Equal to each other
7	If p is false, $\sim p$ is	A. true B. not true C. equal to p D. conjunction
8	Question Image <input type="text"/>	A. hypothesis B. implication C. consequent D. antecedent
9	The conditional statement "if p then q" is logically equivalent to the statement.	A. Not p or Not q B. Not p and Not q C. Not p or q D. p or q
10	To draw conclusions from some experiments or few contacts only is called:	A. Deduction B. Implication C. Conjunction D. Induction
11	The symbol \ni stand for	A. Such that B. There exist C. For all D. Belongs to
12	All men are mortal, We are men, there fore, we are also mortal. This is a useful example of	A. Deduction B. Induction C. Conjunction D. disjunction
13	The conjunction of $3 > 5$, and $5 < 9$, is	A. false B. true C. unknown D. disjunction
14	Logic in which there is scope of third or fourth possibility is called.	A. non-Aristotlian logic B. Aristotlian logic C. Postulates D. induction logic
15	Deduction is mostly used in	A. elementary mathematics B. natural science C. higher mathematics D. medicine

16	The greater part of our knowledge, is based on	A. Deduction B. Induction C. Conjunction D. Disjunction
17	Question Image <input type="text"/>	A. false B. true C. not valid D. undefine
18	10 is a even number or 0 is a natural number, then truth value of this disjunction is	A. false B. true C. not discussed D. negation of first
19	The statements of the form "If p then q" are called	A. hypothesis B. conditional C. disjunction D. conjunction
20	To draw conclusions from some expreiments or few contacts only is called	A. deduction B. implication C. conjunction D. induction