

ECAT Mathematics Chapter 3 Logic

Sr	Questions	Answers Choice
1	Basic-principles of deductive logic were laid down by:	A. Euclid B. Leibniz C. Aristotle D. Newton
2	Basic principles of deductive logic were laid down by	A. Euclid B. Leibniz C. Newton D. Aristotle
3	The greater part of our knowledge, is based on	A. deduction B. induction C. conjunction D. disjunction
4	Disjunction of p and q is	A. p or q B. p and q C. p if q D. p implies q
5	Which of the following statement, is true	A. Lahore is in Punjab and $5 > 7$ B. Lahore is the capital of Pakistan and $3 < 23$ C. Lahore is capital of Sindh and $2 + 2 = 7$ D. Lahore is the capital of Sindh or $2 + 2 = 4$
6	If p is false, -p is	A. True B. Not true C. Equal to p D. Conjunction
7	Any conditional and its contrapositive are	A. Equilavant B. Opposite C. Equal D. Not Equal
8	Deductive logic in which every statement is regarded as true or false and there is no other possibility is called	A. deductive logic B. inductive logic C. Aristolian logic D. non-Aristolian logic
9	To draw conclusions from some expreiments or few contacts only is called	A. deduction B. implication C. conjunction D. induction
10	A conjunction is considered to he true only if both its components are	A. false B. equivalent C. equal D. true
11	Deduction is mostly used in	A. elementary mathematics B. natural science C. higher mathematics D. medicine
12	Question Image <input type="text"/>	A. hypothesis B. implication C. consequent D. conditional
13	According to Aristotle, in proposition there could be	A. one possibilities B. two possibilities C. three possibilities D. seven possibilities
14	A conjunction is considered to be true only if both its components are	A. False B. Equivalent C. Equal D. True
		A. Not p or Not q

15	The conditional statement "if p then q" is logically equivalent to the statement.	B. Not p and Not q C. Not p or q D. p or q
16	The statements of the form "if p then q" are called	A. hypothesis B. conditional C. disjunction D. conjunction
17	The greater part of our knowledge, is based on	A. Deduction B. Induction C. Conjunction D. Disjunction
18	The conjunction of $3 > 5$, and $5 < 9$, is	A. false B. true C. unknown D. disjunction
19	Question Image <input type="text"/>	A. conclusion B. consequent C. hypothesis D. conditional
20	The symbol \exists stand for	A. Such that B. There exist C. For all D. Belongs to