

ECAT Mathematics Chapter 3 Logic

Sr	Questions	Answers Choice
1	Question Image	A. conclusion B. consequent C. hypothesis D. conditional
2	The symbol ∃ stand for	A. Such that B. This implies that C. For all D. There exist
3	While witting his hooks on geometry, Euclid used	A. inductive method B. deductive method C. implication D. proposition
4	Question Image	A. hypothesis B. implication C. consequent D. conditional
5	Any conditional and its contrapositive are	A. Equilavant B. Opposite C. Equal D. Not Equal
6	The statements of the form "If p then q" are called	A. hypothesis B. conditional C. disjunction D. conjunction
7	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
8	The conjunction of 3>5 , and 5>9, is	A. False B. True C. Disjunction D. Unknown
9	A statement which is already false is called	A. Tautology B. Contrapsitive C. Absurdity D. Universal quantifiers
10	Conjunction of two statements p and q is denoted symbolically as	
11	If both p and q are false, then the disjunction of p and q is	A. false B. true C. equal D. equivalent
12	The greater part of our knowledge,is based on	A. Deduction B. Induction C. Conjunction D. Disjunction
13	Which of the following statement, is ture	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
14	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
		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	For reasoning, we have to use	A. implicationB. conjunctionC. inductionD. proposition
17	-p is the	A. Implication of p B. disjunction of p C. negation of p D. conjunction of p
18	According to Aristotle, in preposition there could be	A. One possibility B. Two possibility C. three possibility D. Seven possibilites
19	Question Image	A. hypothesis B. implication C. consequent D. antecedent
20	A conjunction is considered to be true only if both its components are	A. False B. Equivalent C. Equal D. True