

ECAT Mathematics Chapter 3 Logic

Sr	Questions	Answers Choice
1	The statements of the form "If p then q" are called	A. hypothesis B. conditional C. disjunction D. conjunction
2	The conjunction of $3 > 5$, and $5 < 9$, is	A. false B. true C. unknown D. disjunction
3	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
4	Disjunction of p and q is	A. p or q B. p and q C. p if q D. p implies q
5	All men are mortal. We are men, therefore, we are also mortal. This is a useful example of	A. deduction B. induction C. conjunction D. disjunction
6	The greater part of our knowledge, is based on	A. deduction B. induction C. conjunction D. disjunction
7	A daclarative statement which may be true or false but not both is called a	A. hypothesis B. proposition C. implication D. conjunction
8	While witting his hooks on geometry, Euclid used	A. inductive method B. deductive method C. implication D. proposition
9	According to Aristotle, in preposition there could be	A. One possibility B. Two possibility C. three possibility D. Seven possibilites
10	The conjunction of $3 > 5$, and $5 > 9$, is	A. False B. True C. Disjunction D. Unknown
11	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
12	If p is false, -p is	A. True B. Not true C. Equal to p D. Conjunction
13	Deduction is mostly used in	A. elementary mathematics B. natural science C. higher mathematics D. medicine
14	-p is the	A. Implication of p B. disjunction of p C. negation of p D. conjunction of p
15	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

16	Question Image	<p>A. p and q B. p or q C. p implies q D. p is equivalent to q</p>
17	Any conditional and its contrapositive are	<p>A. Equilavant B. Opposite C. Equal D. Not Equal</p>
18	While writing his books on geometry, Euelid used	<p>A. Inductive method B. Deductive method C. Implication D. proposition</p>
19	A conjunction is considered to he true only if both its components are	<p>A. false B. equivalent C. equal D. true</p>
20	Which of the following statement, is ture	<p>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 $2+2 = 4$</p>