ECAT Mathematics Chapter 3 Logic

Sr	Questions	Answers Choice
1	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
2	A conjunction is considered to be true only if both its components are	A. False B. Equivalent C. Equal D. True
3	A conjunction is considered to he true only if both its components are	A. false B. equilvalent C. equal D. true
4	Any conditional and its contrapositive are	A. Equilavant B. Opposite C. Equal D. Not Equal
5	To draw conclusions from some expreiments or few contacts only is called	A. deduction B. implication C. conjunction D. induction
6	If both p and q are false, then the disjunction of p and q is	A. false B. true C. equal D. equivalent
7	~ p is the	A. implication of p B. disjunction of p C. negation of p D. conjuction of p
8	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
9	While witting his hooks on geometry, Euclid used	A. inductive method B. deductive method C. implication D. proposition
10	To draw conclusions front premises believed to be true, this way of reasoning is called	A. deduction B. induction C. implication D. disjunction
11	According to Aristotle, in preposition there could be	A. One possibility B. Two possibility C. three possibility D. Seven possibilites
12	Any two propositions which is combined by the word "and" and form a compound proposition is called	A. conditional of the original proposition B. consequent of the original proposition C. disjunction of the original proposition D. conjunction of the original propositoin
13	The greater part of our knowledge, is based on	A. deduction B. induction C. conjunction D. disjunction

14	Disjunction of p and q is	A. p or q B. p and q C. p if q D. p implies q
15	Basic principles of deductive logic were laid down by	A. Euclid B. Leibniz C. Newton D. Aristotle
16	While writing his books on geometry, Euelid used	A. Inductive method B. Deductive method C. Implication D. proposition
17	Conjunction of two statements p and q is denoted symbolically as	
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	All men are mortal, We are men, there fore, we are also mortal. This is a useful example of	A. Deduction B. Induction C. Conjuction D. disjunction
20	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