

ECAT Pre General Science Mathematics Chapter 3 Logic

Sr	Questions	Answers Choice
1	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 proposition
2	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 $2 + 2 = 4$
3	To draw conclusions from some experiments or few contacts only is called	A. deduction B. implication C. conjunction D. induction
4	According to Aristotle, in proposition there could be	A. one possibilities B. two possibilities C. three possibilities D. seven possibilities
5	An implication of p and q is denoted by	
6	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. false B. true C. not valid D. undefine
7	The greater part of our knowledge, is based on	A. deduction B. induction C. conjunction D. disjunction
8	Conjunction of two statements p and q is denoted symbolically as	
9	While writing his books on geometry, Euelid used	A. Inductive method B. Deductive method C. Implication D. proposition
10	We often consult doctors or lawyers on the basis of their good	A. personality B. behaviour C. reputation D. good dealing
11	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
12	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
13	The conjunction of $3 > 5$, and $5 > 9$, is	A. False B. True C. Disjunction D. Unknown
14	A conjunction is considered to be true only if both its components are	A. false B. equivalent C. equal D. true
15	While witting his hooks on geometry, Euclid used	A. inductive method B. deductive method C. implication D. ..

D. proposition

16 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 $2 + 2 = 4$

17 A declarative statement which may be true or false but not both is called a

- A. Hypothesis
- B. Proposition
- C. implication
- D. conjunction

18 Question Image

- A. p and q
- B. p or q
- C. p implies q
- D. p is equivalent to q

19 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

20 $\neg p$ is the

- A. Implication of p
- B. disjunction of p
- C. negation of p
- D. conjunction of p