

ECAT Pre Engineering Entry Test

Sr	Questions	Answers Choice
1	A conditional "if p then q" is denoted by	
2	If p and q are two statements then their conjunction is denoted by	
3	If P is a proposition then its negative is denoted by	
4	A statement which is either true or false is called	A. Induction B. Deduction C. Proposition D. Logic
5	Question Image	A. A B. A' C. U D. None of these
6	Question Image	A. A B. B C. U D. None of these
7	Question Image	A. A B. B C. U D. None of these
8	Question Image	A. $n(A)$ B. $n(B)$ C. 0 D. 1
9	Question Image	A. A B. A' C. U D. None of these
10	Question Image	A. A B. A' C. U D. U'
11	Question Image	B. A C. A' D. U
12	Question Image	A. A B. A' C. U D. A A'
13	Question Image	
14	Question Image	
15	Question Image	A. A B. B C. A'B' D. B'A
16	Question Image	
17	Question Image	
18	Question Image	
19	Question Image	
20	Question Image	
21	Question Image	
22	Question Image	

23	Question Image	
24	Question Image	
25	Two sets A and B are said to be disjoint if	
26	If A and B are two sets then intersection of A and B is denoted by	
27	Write down the power set of {9, 11}	
28	What is the number of elements of the power set of { }	A. 0 B. 1 C. 2 D. 3
29	What is the number of elements of the power set of {0, 1}	A. 1 B. 2 C. 3 D. 4
30	If $n(A) = n$ then $n(P(A))$ is	A. $2n$ B. n^{2^2} C. $n/2$ D. 2^{2^n}